ANNUAL ADMINISTRATION REPORT

OF THE

FOREST DEPARTMENT

OF THE

MADRAS PRESIDENCY

FOR THE

TWELVE MONTHS ENDING 30TH JUNE 1905.

(1904-1905.)

MADRAS:

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PROGRESS REPORT

OF

FOREST ADMINISTRATION IN THE MADRAS PRESIDENCY

FOR THE TWELVE MONTHS ENDING 30TH JUNE 1905.

CHAPTER I.—CONSTITUTION OF STATE FORESTS.

1. Alteration in Area.

The following abstract from Form No. 44 shows the changes in the areas of reserved forests and reserved lands in the three circles and in the Presidency as a whole during the year:—

—	Area on 1st July 1904.	Added during the year.	Excluded during the year.	Net increase or decrease.	Area on 30th June 1905.
	SQ. MLS.	SQ. MLS.	SQ. MLS.	SQ. MLS.	SQ. MLS.
Northern Circle.					
Reserved forests	6,316	(a) 119 (b) 8	..	+ 127	6,443
Do. lands	503	(c) 11	(d) 2 (e) 119	− 110	393
Total ..	6,819	138	121	+ 17	6,836
Central Circle.					
Reserved forests	7,001	39	(b) 8	+ 31	7,032
Do. lands	264	(c) 1	(f) 1 (d) 3 (e) 39	− 42	222
Total ..	7,265	40	51	− 11	7,254
Southern Circle.					
Reserved forests	4,606	29	(g) 3	+ 26	4,632
Do. lands	869	(f) 1 (c) 65	2 (e) 29	+ 35	904
Total ..	5,475	95	34	+ 61	5,536
Total.					
Reserved forests	17,923	195	11	+ 184	18,107
Do. lands	1,636	78	195	− 117	1,519
Grand Total ..	19,559	273	206	+ 67	19,626

(a) Transferred from reserved lands.
(b) Transferred from Nellore to Guntur.
(c) Newly constituted reserved lands.
(d) Excluded at settlement.
(e) Transferred to reserved forests.
(f) Revision of area.
(g) Disafforested or unreserved.

2. The total area under the control of the department rose during the year from 19,559 square miles to 19,626 square miles. The increase of 67 square miles is due to the notification, under section 4 of the Forest Act, of fresh areas mainly in the districts of Anantapur, North Coimbatore and Madura.

Reserved Forests.

A net addition of 184 square miles was made to the area of Reserved Forests during the year. This figure is made up of 187 square miles newly constituted reserved forest less 3 square miles of forest in Madura which was disafforested, the area being required by the neighbouring villages for the exercise of communal privileges and containing poor growth.

Reserved Lands.

There was a net decrease of 117 square miles under this head during the year, this result being due to the transfer of 187 square miles to reserved forest, to the abandonment of 8 square miles while there accrued an addition of 78 square miles only. The total area of reserved lands at the end of the year was 1,519 square miles and out of this extent 1,110 square miles were lands notified under section 4, 167 square miles leased forests and the remaining 242 square miles lands reserved under the rules framed under section 26 of the Forest Act.

2. Forest Settlement.

3. One hundred and seventeen blocks covering an aggregate area of 1,119 square miles remained to be constituted reserved forests at the commencement of the year and adding to this 39 blocks with an area of 183 square miles there were on the whole 156 blocks comprising an area of 1,302 square miles. An extent of 5 square miles was excluded at Settlement and 46 blocks covering an area of 187 square miles were constituted reserved forests during the year leaving 110 blocks with an area of 1,110 square miles to be declared reserved forests at the close of the year. Of these 16 blocks comprising 18 square miles were notified under section 16, during 1904-1905, their reservation taking effect only after the close of the year, 8 blocks with an area of 37 square miles have since been finally notified under the same section and 31 blocks covering an area of 316 square miles have been practically settled leaving 55 blocks with an area of 739 square miles still to be settled. Of these 13 blocks covering an area of about half a square mile were being settled by the Revenue Divisional officer and the rest by the two Special Forest Settlement-officers.

The cost incurred during the year on account of the pay of the Special Forest Settlement-officers and their establishments, for the survey and demarcation of enclosures, &c., and for the payment of compensation for private lands included within the reserves, amounted to Rs. 32,072 exclusive of the cost of the Special Forest Settlement establishment entertained by the Board of Revenue.

Besides the above mentioned 739 square miles, about 102 square miles of reserved lands in *Vizagapatam* and *South Canara* and 97 square miles of unreserved lands in *Anantapur*, making in all a total area of 938 square miles, remained to be dealt with by the Forest Settlement-officers at the close of the year.

3. Demarcation.

4. One thousand seven hundred and fifty-three miles of boundary lines were demarcated at a cost of Rs. 18,749 against 1,005 miles at a cost of Rs. 15,962 in the previous year. The average cost per mile for the Presidency was Rs. 10-11-1 against Rs. 15-14-1 in the previous year. The increase of 748 miles is mainly due to a greater outturn in *Vizagapatam*, *Gódávari*, *Kurnool West*, *South Canara*, *North Malabar* and *North Coimbatore*. There remained at the close of the year 1,143 miles still to be demarcated.

The system adopted in demarcating the boundaries of reserved forests is, as usual, clearing of the lines and constructing of cairns or planting of stone slabs.

A total length of 5,552 miles was cleared at a cost of Rs. 13,958 against 6,375 miles at a cost of Rs. 4,268 in the previous year. A length of 6,618 miles was cleared by forest subordinates free of cost against 3,522 miles in the previous year.

4. Forest Surveys.

(*a*) *By Survey of India Party.*

5. The survey operations were carried on during the year by No. 19 Party which was divided into sections, each section being placed under the immediate control of a Provincial officer. The outturn of the party's work is shown in the following statement :—

District.	Triangulation.	Traversing.	Topography.	
			Total.	Reserve Forests.
	SQ. MLS.	LR. MLS.	SQ. MLS.	SQ. MLS.
Gódávari	..	..	226·94	131·04
South Canara	97	28·8	254·15	(*a*) 104·76
Ganjám	208	..	123·80	82·74
North Coimbatore	..	..	133·73	..
Guntur	..	..	11·85	10·96
North Malabar	717	..	..	..
Test survey 1 inch = 1 mile ..	..	..	135 70	..

(*a*) Exclusive of thirty square miles of Neriya Cardamom Estate.

The cost of operations is compared with that of the two previous years in the following statement :—

Description of work.	Area surveyed.			Cost rate per square mile.		
	1902–1903.	1903–1904.	1904–1905.	1902–1903.	1903–1904.	1904–1905.
				RS.	RS.	RS.
Triangulation (square miles) ..	2,030	1,937	1,022	5	9	14
Traversing (miles)	538	247	29	13	19	30
Topography (square miles)	1,411	803	886	58	121	104

The increase in cost is principally due to enhanced allowances in the Wynaad, an increased rate for labour especially in the *Gódávari* district and also to additional labour to overcome difficulties in the work.

The actual expenditure of the party for the survey year including cost of instruments is Rs. 1,10,424 against Rs. 1,04,455 in the previous year. The amount debitable to the Forest Department excluding the contribution by the Government of India was Rs. 77,296 as against Rs. 70,033 in the previous year. The health of the party was not good and the menial establishment suffered greatly through malaria. The effects of sickness increased the usual difficulties and the completion of the work within the limited time proved an arduous task. The season's work was verified by the District Forest-officers of *South Canara*, *Ganjám* and *North Coimbatore*, who visited Bangalore for the purpose. The District Forest-officer, *Gódávari*, however, deferred the usual visit and this prevented the verification of a large area. All the sheets of the *Gódávari* district were withheld from publication in consequence. A small area in *Ganjám* was surveyed but the mapping was not completed, it being considered advisable to give precedence to the arrears work of other districts. Twenty sheets of *South Canara* were ready for publication of which five will be provisional issues, until such time as a definite decision is arrived at respecting the portions under dispute.

Thirteen sheets of *North Coimbatore* were also ready, but two sheets of these would be provisional issues. The total number of sheets sent for publication in respect to *Kistna-Guntúr* districts was five but none of them could be published as final issues owing to a dispute respecting the correct demarcation of the boundary common to the two districts.

The arrears work of the *Cuddapah* and *Kurnool* districts amounts to twenty-two sheets some of which have been withheld from publication since 1900 owing to existing disputes and various other reasons. Arrangements are now however being made to send them for publication. Of these sheets nine will be provisional issues.

(*b*) *By Departmental Survey.*

6. In *Ganjám*, 33 miles of enclosure boundaries in Pondakhol reserve and 54 miles of protected fire-blocks were surveyed by forest surveyors, while the boundaries of seven reserves in the Rajahmundry and four in the Rekapalle range of the *Gódávari* district were likewise surveyed departmentally. In *Kistna*, 15 square miles of survey with interior details and 78 miles of boundary surveys were done, while the surveyor in *Guntúr* surveyed 42 square miles, 20 of which were made with interior details and the rest were confined to boundaries only. In *Kurnool West*, the surveyor-draftsman was as usual engaged in surveying the unsurveyed fields in the reserves under settlement and fixing their correct positions on the reserved maps, while in *Kurnool East*, the only work done was the survey of coupes felled in the Railway fuel-working circle prior to 1904–1905 comprising an area of 11,656 acres. In *North Salem*, a surveyor was engaged in preparing maps showing position of reserves with reference to village plans and in surveying the enclosures in reserves settled during the year. In *South Salem*, there were two surveyors employed for ten and six months respectively. One of them was engaged in surveying the coupes felled and to be felled in the Salem East range and in preparing plans and estimates for a road to facilitate extraction of produce. In *South Canara*, three blocks of an aggregate area of 12 square miles were surveyed by a temporary surveyor. In *South Coimbatore*, the only work done was the survey of the cleared area of the coffee estate No. 19 on the Anamalais.

CHAPTER II.—MANAGEMENT OF STATE FORESTS.

1. Regulation of Management.

(*a*) *Preparation and Control of Regular Working-plans.*

7. Working-plans for 1,046 square miles were sanctioned by the Board during the year and plans for 1,214 square miles were under preparation at its close. The reason for the smaller outturn will be found below.

An expenditure of Rs. 2,118 was incurred under this head besides the cost of the Working-plans officers and their office establishments.

In the *Northern Circle*, the prescriptions of the working-plans were generally adhered to except for slight deviations. In the *Central Circle*, the same remark applies except that plans in *North* and *South Salem* and *North Arcot* were much in arrears owing to the department having lost the railway fuel contract, with a view to meet which the plans were principally prepared. In the *Southern Circle*, the plans were generally adhered to with some deviations except in *North* and *South Coimbatore* where the plans are mostly found unworkable and will have to be revised.

A revised working plan for a casuarina plantation, *Tanjore*, was sanctioned by the Board and that for the Nilambur teak plantations, *South Malabar*, is awaiting sanction. The revised plan for the Sandur leased forests in *Bellary* was approved of by the Conservator. The following plans are reported to require revision:—Agasti

Nowgam plantation, *Ganjám*, and Méttupálaiyam and Bolampatti plans in *South Coimbatore*, as also the preliminary sandalwood plans in *North Coimbatore* and other plans in that district. The area for which working plans are still required is estimated to be 10,021 square miles.

Work of the Special Working-plans Officers.

8. *Northern Circle.*—Mr. Cowley-Brown, the Special Working-plans officer, was on duty till September 1904. The working-plan for a portion of the Nallamalai forests, *Kurnool*, which was under preparation at the close of the last year, was submitted to the Board for sanction. It was however returned for revision by the District Forest-officer Mr. Wood and for this purpose a conference consisting of the Collector, District Forest-officers of East and West Kurnool, Conservator of Forests and Forest Member has since been held at Nandyal at which considerable modifications of the original plans were proposed although the main conditions were adhered to.

Central Circle.—Extra Assistant Conservator M.R.Ry. V. S. Gurunatha Pillai continued to be the Special Working-plans officer till his transfer to the Coimbatore school on 13th March 1905. Owing to the paucity of officers for district charges, a successor was not appointed. He submitted during the year a working-plan for the *North* and *South Arcot* Javadi Hill forests and another for the Vellore East range which were ordered by the Conservator to be tried experimentally for a year before submission to the Board. A working plan for the Vellore forests drawn up by him was sanctioned by the Board. The reconnaissance report for the Pullampet range, *Cuddapah*, received from him was returned to the District Forest-officer to await the posting of a Working-plan officer. There being however no immediate likelihood of an officer being deputed, the District Forest-officer has since taken up the work himself.

Southern Circle.—Mr. H. F. Arbuthnot, who was appointed Special Working-plans officer in December 1904, was engaged in collecting statistics and making valuation surveys of the outer slopes of the Anamalai forests.

9. The working-plans sanctioned during the year and the system of working prescribed in each case are detailed below:—

District.	Name of working plan.	System prescribed.
Ganjám	Working-plan for Surada and Bugada ranges.	Improvement fellings and compound coppice system in the inferior portions of the reserves.
	Working-plan for Mohiri hills	Coppice with standards.
Kistna	Working-plan for Kondapalli forests and its extension.	Do.
Bellary	Working-plan for Adóni and Atur ranges.	Protection and artificial regeneration operations
Anantapur	Working plan for the Kalyandrug range.	Protection and removal of dead wood, regulation of grazing.
	Working-plan for the forests of the Pamidi range.	*Hill blocks.*—Protection with artificial and natural regeneration. *Plains blocks* Babul areas.—Coppice with standards. Palmyra areas.—Selection fellings departmentally.
Nellore	Working-plan for Venad and Pernad reserves.	Coppice with standards.
North Arcot	Working-plan for the Chandragiri range.	Timber working circles.—Selection fellings Fuel working circles.—Coppice with standards.
	Working-plan for the Vellore forests	Timber working circles—Combined system selection and improvement fellings. Fuel working circles —Coppice with standards.
North Salem	Tiruppattur Sandalwood working plan	Selection fellings.
South Salem	Working-plan for the Salem East range.	Timber and bamboo compartments.—Improvement fellings. Fuel compartments—coppice with standards.
South Canara	Working-plan for the Baindur and Ajjarakadu reserved forests.	Located loppings for fodder and manure and dead firewood.
South Malabar	Working plan for the Beypore Tope reserve.	Palmyra trees in bearing to be leased and other trees to be cut and area planted with cocoanuts.

Besides the above, supplemental working-plans for the Ramallakot range, Kurnool working circle, and for the Ambur forests, *North Arcot District*, were sanctioned by the Board.

10. The following working-plans were under preparation during the year :—

Northern Circle.—In *Guntúr*, a working plan for 2·59 square miles camprising Kottapatam plantation transferred from the Nellore district; in *Kurnool*, for 319 square miles of Pattikonda, Kurnool and Owk ranges; in *Bellary*, for 38 square miles in Rayadrug range; and in *Vizagapatam*, for all the areas mentioned in the last report, comprising a total area of 118·47 square miles. A working-plan for 55 square miles in Bellary range awaits sanction.

Central Circle.—In *Chingleput*, a reconnaissance was submitted for the Chingleput range and a combined plan for both the ranges of the district was ordered to be prepared. It has since been submitted, but will need correction of details. In *South Arcot*, reconnaissance reports for the remaining working circles of the Kallakurichi range were approved of by the Conservator and a draft working plan for the whole range was prepared by Mr. C. M. Maduranayagam Pillai and forwarded to the District Forest officer for completion. The Atur working-plan, *South Salem*, mentioned in the last report, was returned to the compiler, Extra Assistant Conservator Mr. J. A. Daly, for making certain corrections. It has since been received.

Southern Circle.—Plans for the Kodaikánal Range (225 square miles) in *Madura* and for 33 square miles in Vasudevanallur reserve in *Tinnevelly* were under preparation.

(*b*) *Preliminary Working Plan Reports.*

11. *Northern Circle.*—Mr. Rego, Extra Assistant Conservator, specially deputed for the preparation of working-plans in *Gódávari*, submitted preliminary ones for Peddápur and Rajahmundry Ranges. Preparatory to regular working-plans, the major portion of the area in *Kistna* continued to be worked under located clearance fellings as reported last year and efforts were made in the same direction in the scrub jungle in *Guntúr*.

Central Circle.—In *Cuddapah*, a reconnaissance report for Pullampet was, as already observed above, submitted by the Working-plans officer and returned to the District Forest-officer. Working-plans for Rapur range, *Nellore*, was submitted to the Conservator and ordered by him to be tried for a year before transmission to the Board for final sanction. In *Nellore*, a Working-plan for extending the casuarina planting to the Tammenapatam extension A in the Coast range was approved of by the Conservator. Reconnaissance reports submitted for *Hosur* and *Dharmapuri* ranges, *North Salem*, were returned by the Conservator for certain modifications. In *Trichinopoly*, reconnaissance reports for twelve working circles were submitted to the Conservator and approved by him.

Southern Circle.—Valuation survey of Eucalyptus and Acacia plantations in the *Nilgiris* was completed by Mr. Cowley-Brown who was specially deputed for the purpose.

(*c*) *Annual Plan of Operations.*

12. The annual plans of operations were generally adhered to except in the following instances :—

Northern Circle.—The demarcation of two reserves in *Ganjam* and three in *Kurnool East* was not undertaken, the former for want of Government Orders notifying the blocks and the latter owing to the late receipt of sanction. In *Kurnool West*, the Nallamalais road works were postponed until the working-plan disclosed the correct routes. In *Bellary*, the opportunity offered to the public for felling and extracting fuel in Chiribi and three other reserves was not availed of and a coupe was opened in Rayadrug reserve to meet the existing demand.

Central Circle.—Departmental collection of minor forest produce in Vayalpad Seshachallams and of timber and fuel in Pullampet range, *Cuddapah district*, were not undertaken for want of establishment to arrange for the departmental working. In

Nellore, a fuel depot not provided for in the plan of operations was opened at the khasba town and experimental timber depots at range head-quarters. Many of the coupes in *Nellore* and *Chingleput* prescribed for the year were not sold for want of bidders, though some unsold coupes of the previous years were sold in the former district. In *North Arcot*, supply of casuarina fuel to the Ránipét distillery and of fuel to Tirupati town was not made for want of demand. The construction of a few roads and buildings was postponed as in last year pending alignment and personal inspection by the District Forest-officer and to provide funds for incomplete and more urgent works. Rectification of demarcation was undertaken only to a limited extent, careful and thorough enquiries being instituted to avoid rectifications in the future. In *South Arcot*, bamboos were worked under the lease system instead of departmentally. Fuel coupe working was short owing to preparation being behind hand and to slackness of demand. In *North* and *South Salem*, some of the works proposed were not undertaken or left incomplete for want of establishment in some cases and in others owing to late sanction and delay in acquisition of lands and adjudication of rights of way. Two timber sheds in *North Salem* were newly constructed and charcoal was not manufactured in Tellai coupes for want of demand. In *Trichinopoly*, construction of two rest-houses had to be deferred pending acquisition of sites.

Southern Circle.—In *South Coimbatore*, more extended departmental operations than originally contemplated were undertaken and in consequence repairs to certain roads and buildings and the purchase of three elephants were given up as being not urgently required. In *South Canara*, departmental working of firewood coupes in Coondapoor range was undertaken and the collection of bamboos and minor produce abandoned. Bamboos were not worked in the *Nilgiris* for want of bids. In *South Malabar*, the construction of some bridle-paths and out-houses was deferred to provide for more urgent works. The difficulties with the Mysore Darbar and the heavy boundary clearing work for the Survey of India led to considerable deviations in *North Malabar*. Departmental felling operations were abandoned in some coupes for want of demand and other works undertaken instead.

2. Communications and Buildings.

13. The subjoined statement shows the outlay on communications and buildings during the year under report as compared with the previous year :—

	1903–1904.	1904–1905.
	RS.	RS.
Roads and bridges	42,265	41,650
Buildings	45,770	70,747
Other works	11,032	13,691

There is a marked increase under "Buildings" mainly distributed over *Gódávari*, *Kurnool*, *Anantapur*, *North* and *South Malabar*.

(*a*) *Roads and Bridges.*

The important works of a permanent nature done in the *Northern Circle* were the improvement of timber tracks in Rekapalle hill reserve and part construction of roads in Peddapur range, *Gódávari*; two new roads to a length of $1\frac{5}{8}$ and $5\frac{1}{2}$ miles, respectively, in each of the districts of *Kistna* and *Guntur* and a cart-track in *Anantapur*. In the *Central Circle* the Pudipatlabailu road (2 miles) and Papasamudram cart-track in *North Arcot* were constructed. The reconstruction of the old road from Denkanikotta to Sameri ($11\frac{1}{4}$ miles) in *North Salem*, referred to in the previous year's report, was partly completed while the Mallapuram ghât and Chitteri roads in *South Salem* were repaired. In the *Southern Circle*, new cart-tracks in Coondapoor range, *South Canara*, and a road (18 miles) connecting Pavaguddai with Chedleth-Muthanga road in *North Malabar*, were opened. The construction of the Gundal valley road to a

length of 9 miles and of a cart-track from Kalkadambur to Uginiem to a length of 5 miles in *North Coimbatore*, was undertaken and completed. In *Madura*, Sendarinattan road and Mariam Sholakukal bridle-path were constructed. In *Tinnevelly*, Mudaliaruthu Chittar bridle-path (3 miles) was extended and a road was constructed and another diverted.

Besides temporary tracks constructed in coupes to facilitate inspections and carting of produce in some of the districts, preliminary clearing of block lines in *Ganjám*, clearing of the alignment line for the road from Bonda to Ramanapenta in *Gódávari* were also done.

Tramways.—As in previous years, wood was carried in some portions of the *Nellore* and *South Coimbatore* districts by means of tramways, and the mono-rail introduced in the *Gódávari* district was worked for the first time in that district. The results of the operations are recorded in Form No. 65. In *Nellore*, the tramway at Sriharikota carried 7,831 tons of produce or 31,324 ton-miles were run against 7,344 tons or 29,376 ton-miles in the previous year. In the adjoining coast range the quantity trammed was 10,252 tons or 18,307 ton-miles against 11,686 tons or 17,850 ton-miles. Rupees 5,155 was spent in the purchase of sleepers and other tramway materials and Rs. 98 was spent on repairs. In *South Coimbatore* the quantity of timber trammed was 1,461 tons or 6,183 ton-miles against 1,501 tons or 6,907 ton-miles in the previous year, of which 1,128 tons were drawn by Government bulls, and 333 tons by hired bullocks. Compared with the old system of transporting timber by coolies and carts, the results of working show as usual a profit in *Nellore* and a loss in *South Coimbatore*. In *Gódávari*, 446 tons of wood were trammed by the mono-rail to a distance of $\frac{3}{4}$ mile, *i.e.*, 335 ton-miles were run at a cost of Rs. 678 against Rs. 350 the estimated charges for carrying the wood by coolies. Thus the operation in *Gódávari* was conducted at a loss during the first year of its working.

(*b*) *Buildings.*

The most important works of a permanent nature are noted below :—

Northern Circle.—Rest-houses at Rambha and Kondalbonda in *Ganjám* and at Somanamalla in *Gódávari* were constructed. The Mogalutla bungalow was built in *Guntur*, while Range offices at Veligode and Dhone together with Range officers' and subordinates' quarters at the latter were built in *Kurnool West*. A rest-house at Nyalakota and the Range office at Pamidi in *Anantapur* were also erected.

Central Circle.—A Range office at Podalakur and two rest-houses at Datsur and Marripadu in *Nellore*, forest guards' lines at Mamandur and Nagapatla, the Nadanur bungalow and Patrakad rest-house in *North Arcot*; Urigam rest and out houses in *North Salem* and a Range office at Harur in *South Salem* were the chief buildings constructed.

Southern Circle.—In *South Canara*, the rest-house at Alúr and the Range office at Mangalore were extended, and a rest-house at Bangitappal in the Nilgiris was constructed. A store godown at Bhaváni in *North Coimbatore*, Range quarters at Kuppadi and extensions to the Odapallem Serambi in *North Malabar*, subordinates' quarters at Nedungayam and Nellikutta, and a Range office at Palghat, *South Malabar*, rest-houses at Kavinji and Pudur in *Madura*, were the other chief works. The bungalow at Nadugani in *Tinnevelly*, the construction of which was stopped last year owing to a landslip, was completed this year.

In addition to the above, several temporary structures were constructed for storing produce and housing establishment.

(*c*) *Miscellaneous Works.*

The chief works undertaken were the construction of wells, etc., to improve the water-supply and the fencing of some topes and reserves.

3. Protection of Forests.

(a) *General Protection.*

14. The following statement shows the number and classification of forest offences brought to light during the year :—

Circle.	Cases taken into Court.				Cases compounded.				Cases undetected.				Total cases.				
	Injury to forests by fire.	Unauthorized felling or appropriation of wood and minor forest produce.	Grazing without permission or in tracts in which grazing is prohibited.	Other offences.	Injury to forests by fire.	Unauthorized felling or appropriation of wood and minor forest produce.	Grazing without permission or in tracts in which grazing is prohibited.	Other offences.	Injury to forests by fire.	Unauthorized felling or appropriation of wood and minor forest produce.	Grazing without permission or in tracts in which grazing is prohibited.	Other offences.	Injury to forests by fire.	Unauthorized felling or appropriation of wood and minor forest produce.	Grazing without permission or in tracts in which grazing is prohibited.	Other offences.	Grand total of cases.
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18
Northern ..	11	1,180	465	125	..	1,723	1,077	148	146	169	50	10	157	3,072	1,592	283	5,104
Central ..	15	2,101	1,093	210	3	5,474	2,665	324	261	688	85	55	279	8,263	3,843	589	12,974
Southern ..	27	676	245	159	9	1,708	714	127	70	14	102	1	106	2,398	1,061	287	* 3,852
Total ..	53	3,957	1,803	494	12	8,905	4,456	599	477	871	237	66	542	13,733	6,496	1,159	21,930
Total for 1903–1904.	49	3,435	2,596	397	17	8,462	4,750	601	495	729	310	42	561	12,626	7,656	1,040	21,883

* Exclusive of 384 petty offences, the offenders concerned in which were let off with a warning.

The total number of new cases was 21,930. Compared with the average of the three previous years, the number of cases reported was fewer by 989. The decrease occurred under "grazing" and "other offences" partly counterbalanced by increase under the remaining heads. Under "grazing" the number of new cases reported was less chiefly in *Nellore*, *North Arcot* and *South Arcot*. The decrease in *Nellore* is more marked and attributed mainly to increased facilities afforded to the graziers by allowing one permit to be valid in all the reserves of the district, and to the introduction of the Kancha system and partly to the increased mortality of cattle more especially in the inland taluks. The fall in the number of grazing offences was accompanied by an increase in the grazing revenue. Under "Other offences" the decrease is small, the cases reported being only 42 less than the average of the previous three years.

The total increase under the remaining two heads is not very marked, that under "Unauthorized felling" being only 1,316 cases over the average of the three previous years and that under "Fires" 112.

There were 1,651 undetected cases against 1,576 in the previous year. The increase occurred chiefly in *Bellary* under "Fires" and in *South Arcot* under "Unauthorized felling."

The number of cases pending at the beginning of the year was 3,083 and at its close 3,579, of which 1,433 were with Magistrates.

15. The following statement shows the result of cases brought to trial :—

Circles.	1903–1904.		1904–1905.		Percentage of failure.	
	Convictions.	Acquittals.	Convictions.	Acquittals.	1903–1904.	1904–1905.
Northern	1,791	151	1,254	127	7·77	9·19
Central	3,450	315	3,226	250	8·36	7·19
Southern	863	135	779	94	13·52	10·76
Total ..	6,104	601	5,259	471	8·96	8·22

Besides the 5,730 cases shown above, 546 cases were withdrawn under the orders of the District Forest-officer. The percentage of convictions obtained is 91·78 against 91·04 in the preceding year.

16. The following statement compares the number of cases compounded and the compensation fees realized with the figures of the previous year:—

Circles.	1903-1904.		1904-1905.	
	Number of cases.	Amount recovered.	Number of cases.	Amount recovered.
		RS.		RS.
Northern	2,040	15,052	2,433	18,882
Central	8,203	56,429	7,646	64,039
Southern	2,461	19,303	2,208	19,523
Total ..	12,704	90,784	12,287	1,02,444

The number of cases compounded was slightly less than in the previous year by 417, but the amount realized on account of compounding fees was in excess of the previous year's amount by Rs. 11,660 due to marked increase in the amounts realized in *Kurnool East* and *West* and *Cuddapah*. The increase in *Kurnool*, is attributed to the division of the district into two charges and consequent more efficient supervision and to the increased illicit goat-browsing cases in *Kurnool West*, where the compounding fee realized per goat was fixed at As. 6. That in *Cuddapah* to heavy compounding fees realized as a deterrent punishment. A case of illicit felling by Moplas of Malabar at the instigation of a timber merchant which occurred in *South Coimbatore*, was compounded for Rs. 500, so far as the merchant was concerned. Several of the men actually detected in the felling were, however, tried and convicted.

17. The punishments inflicted by Magistrates were, on the whole, satisfactory except in *Guntur* and *Cuddapah*. In the former, the punishments inflicted by the Magistracy are considered not sufficiently deterrent, while in the latter, unduly lenient punishments were brought to the notice of the Collector. There were some noteworthy cases of illicit removal of sandalwood from some reserves in *South Salem*, the accused being convicted and sentenced in two cases, while a third is pending before the Head Assistant Magistrate, Tiruppattúr.

Rewards to informers of cases including abkári officers who brought to notice cases of overtapping toddy-yielding trees were sparingly granted in some districts.

(*b*) *Protection from Fire.*

18. Except in *Cuddapah*, the system adopted was the same as that in the previous years. In rigidly protected areas, external and internal boundaries of the blocks were cleared and burnt and fire-patrols appointed to keep the lines clear of dead leaves and other combustible matter and to be on the look out for fires. Though the breadth of the lines cleared and fire-traced varied in several districts, it was increased in almost all, as it was found that the width hitherto allowed was too narrow to be effective in many cases. In *Cuddapah*, the fire lines for the most part were discarded, regular lines being only cut round coupes and along the district boundaries and narrow lines made round patches of rich Tamba forests in the Seshachellams. The fire-patrols were dispensed with and single watchers were posted at suitable villages in sight of the reserves ready to get prompt aid from the villagers when a fire was seen. The areas at higher elevations where the villagers will not or cannot reach in time were protected by gangs of men permanently employed for the season. The collection of minor forest produce was done departmentally to bring the jungle tribe called Yenadis under control and observation. But no comparison can yet be made of the results of this system with those of the previous years, as, owing to want of rain, there was only a small crop of grass which the people wished to preserve rather than burn as they did persistently in former years.

The area attempted to be protected amounted, as shown in Form No. 51, to 6,509 square miles against 5,641 square miles in the previous year. Of these, 6,350 square miles were successfully protected against 5,103 square miles in the previous year. The proportion of failures was only 2·4 per cent. against 9·5 per cent. in the preceding year. The cost per square mile successfully protected was Rs. 8–10–11 against Rs. 8–11–0 in the previous year. The proportion of failures in specially protected areas was only 3·5 per cent.

19. The following statement shows the number and origin of the fires in the several districts :—

Division or Circle.	A. Fire caused by accident or through carelessness in burning fire lines.		B. Fires entering the forests by crossing exterior fire traces.		C. Fires beginning inside the reserves or fire-traced areas.							
					Owing to carelessness or accident.							
					By workmen employed in the forests, by purchasers of forest produce, and by hay-cutters.		By villagers, travellers, etc., passing through the forests.		By railway engines.		By lightning or by fire-balloons.	
	Number of fires.	Area burnt in acres.	Number of fires.	Area burnt in acres.	Number of fires.	Area burnt in acres.	Number of fires.	Area burnt in acres.	Number of fires.	Area burnt in acres.	Number of fires.	Area burnt in acres.
1	2	3	4	5	6	7	8	9	10	11	12	13
Northern Circle.												
Ganjám	..	..	..	..	..	..	1	20	..	..	..	..
Vizagapatam	..	..	1	2	4	73	2	32	..	..	..	..
Gódávari	11	578	5	3,835	..	..	9	236	..	..	..	..
Kistna	..	..	..	..	..	..	..	..	..	..	..	..
Guntúr	..	..	..	..	..	..	4	81	..	..	..	..
Kurnool, East	..	..	..	..	..	..	..	..	..	..	..	..
Do. West	..	..	..	..	..	..	..	..	..	..	..	..
Bellary	..	..	..	..	1	‡ ..	..	.	..	..	..	..
Anantapur	1	2,000	7	265	..	..	1	80	..	..	..	..
Total, Northern Circle ..	12	2,578	13	4,102	5	73	17	449	..	..	..	..
Central Circle.												
Cuddapah	..	..	2	536	1	40	..	..	..	..	..	..
Nellore	3	6	..	..	1	30	..	..	..	..	..	..
Chingleput	..	..	..	..	..	..	..	..	..	..	..	..
North Arcot	2	80	14	2,505	..	..	19	1,029	..	..	2	3
South do.	..	..	3	32	1	* ..	2	566	..	..	..	..
North Salem	1	50	1	2	1	70	6	8,769	..	..	..	..
South do.	..	..	..	..	..	..	..	..	1	5	..	..
Trichinopoly	..	..	..	..	..	..	..	..	..	..	..	..
Tanjore	..	..	..	..	..	..	..	..	..	..	..	..
Total, Central Circle ..	6	136	20	3,075	4	140	27	10,364	1	5	2	3
Southern Circle.												
South Canara	4	70	..	..	1	10	19	762	..	..	..	..
North Malabar	..	..	1	180	..	..	5	3,198	..	..	..	..
South do.	..	..	4	23	..	..	3	30	..	..	..	..
The Nilgiris	..	..	..	..	..	..	1	100	..	..	..	..
North Coimbatore ..	..	..	5	† 7,597	..	..	1	769	..	..	..	..
South do. ..	1	20	5	1,560	1	40	3	53	..	..	..	..
Madura	..	..	10	970	2	40	1	15	..	..	..	..
Tinnevelly	1	* ..	5	107	5	785	6	57	..	..	8	2,556
Total, Southern Circle ..	6	90	30	10,437	9	875	39	4,984	..	..	8	2,556
Total, Presidency ..	24	2,804	63	17,614	18	1,088	83	15,797	1	5	10	2,559
Total for 1903-1904 ..	29	4,258	92	49,510	201	32,153	152	41,735	4	1,330	2	7

* Below one acre. † Crossed the Mysore frontier which was not fire traced. ‡ Reported to be not known.

Division or Circle.	C. Fires beginning inside the reserves or fire-traced areas—*cont.*										Total of A, B and C.	
	By intentional firing.								Causes unknown.			
	In order to obtain new grass.		In order to turn out game or to reduce cover.		Maliciously fired.		Total.					
	Number of fires.	Area burnt in acres.	Number of fires.	Area burnt in acres.	Number of fires.	Area burnt in acres.	Number of fires.	Area burnt in acres.	Number of fires.	Area burnt in acres.	Number of fires.	Area burnt in acres.
	14	15	16	17	18	19	20	21	22	23	24	25
Northern Circle.												
Ganjám	..	..	..	..	4	88	5	108	..	..	5	‡ 108
Vizagapatam	..	..	..	..	2	649	8	754	2	44	11	800
Gódávari	..	..	..	..	2	300	11	536	15	2,655	42	7,604
Kistna	..	..	..	..	..	..	..	..	3	1,701	3	1,701
Guntúr	..	..	..	..	..	..	4	81	..	..	4	81
Kurnool, East	..	..	..	..	1	20	1	20	6	2,020	7	‡ 2,040
Do. West	..	..	..	..	1	40	1	40	..	..	1	40
Bellary	..	..	..	..	..	..	1	..	64	85,023	65	85,023
Anantapur	12	1,672	2	6	..	..	15	1,758	7	753	30	4,776
Total, Northern Circle ..	12	1,672	2	6	10	1,097	46	3,297	97	92,196	168	102,173
Central Circle.												
Cuddapah	6	1,433	..	..	5	3,067	12	4,540	75	20,240	89	25,316
Nellore	..	..	..	..	1	* ..	2	30	1	4	6	40
Chingleput	..	..	..	..	..	..	..	..	2	† ..	2	..
North Arcot	114	7,919	..	..	6	782	141	9,733	15	970	172	13,288
South do.	..	..	..	..	10	474	13	1,040	33	7,091	49	8,163
North Salem	1	450	..	..	..	..	8	9,289	37	2,356	47	11,697
South do.	14	429	..	..	..	..	15	434	31	1,933	46	2,367
Trichinopoly	..	..	..	..	..	..	..	..	5	45	5	45
Tanjore	..	..	..	..	..	..	..	..	2	1	2	1
Total, Central Circle ..	135	10,231	..	..	22	4,323	191	25,066	201	32,640	418	60,917
Southern Circle.												
South Canara	5	541	5	91	15	4,085	45	5,489	26	8,809	75	14,368
North Malabar	..	..	..	..	6	2,000	11	5,198	1	500	13	5,878
South do.	..	..	..	..	..	..	3	* 30	1	3	8	56
The Nilgiris	..	..	..	..	..	..	1	100	..	..	1	100
North Coimbatore ..	..	..	..	..	6	278	7	1,047	52	17,513	64	26,157
South do. ..	16	1,160	2	98	..	..	22	1,351	1	3	29	2,934
Madura	3	65	..	..	5	270	11	390	9	922	30	2,282
Tinnevelly	16	4,375	..	..	5	840	40	8,613	5	3,290	51	12,010
Total, Southern Circle ..	40	6,141	7	189	37	7,473	140	22,218	95	31,040	271	63,785
Total, Presidency ..	187	18,044	9	195	69	12,893	377	50,581	393	155,876	857	226,875
Total for 1903–1904 ..	170	46,330	28	16,486	80	24,807	636	162,848	445	289,050	1,203	505,666

* Below one acre.

† No injury is reported to have been done to the forests beyond burning the grass thereon over a strip of a few yards.

‡ Area of protected forests burnt.

The total number of fires as well as area burnt is much less than in the previous year. Under fires caused by accident or through carelessness in burning fire lines, a large number occurred in *Gódávari*, due to fire crossing lines when being burnt said to be caused by high winds and carelessness of subordinates. In *Anantapur* a comparatively

large area (2,000 acres) was burnt by a single fire, and this is attributed to the imperfect state of the fire lines. The fires which entered the forests by crossing exterior fire lines were comparatively small with reference to the number and area burnt. For the first time for many years a fire occurred in the teak plantations, *South Malabar.* The area burnt was only 7 acres in one of the oldest plantations, but the trees must have been subjected to considerable shock.

The number of fires inside the reserve or fire-traced areas due to carelessness or accident was also considerably less than in the previous year. This is specially noticeable in the *Northern Circle* where it fell from 228 to 22. But there was a marked increase in the number of fires caused by lightning in *Tinnevelly* where the months of March, April and May were particularly hot and dry and where eight fires were attributed after careful inquiry to the above cause. In *South Arcot* a fire occurred in the Kalroyan Hills which burnt 566 acres and was caused by a bamboo-cutter throwing away a lighted cheroot. In *North Salem*, special fire protection was not so successful as in the previous year which was due to the whole of Manchi specially protected block being burnt. There was a slight increase in the number of fires caused intentionally to obtain fresh grass due to graziers in *North Arcot*, while the area burnt was considerably less. Double the grazing fees were collected during the year for grazing in certain reserves of this district as a punishment for incendiary fires. But the number of fires caused maliciously or to turn out game fell from 108 to 78, as also the area from 41,293 to 13,088 acres. This decrease is partly attributed to the prohibition of all hunting in reserves in *Anantapur* usually allowed on the Telugu New year's day and partly to less grass.

There was a reduction in the total number of fires due to causes unknown as also in the areas burnt, noticeable mainly in *Anantapur* and *North Coimbatore.* In *South Arcot*, where the number of fires under this head rose from 8 to 33, 23 occurred in Tenmalais between the 26th February and 24th March when the District Forest-officer was himself on those hills. In regard to this, the Collector reports that although immediate action was taken with all the staff available, no clue to the offenders could be found in any of these cases. But it certainly seemed that some detrimental and persistent agency was at work and there was a rumour that a certain Irula, a fugitive from the Police for serious crime, was living in the forests and starting the fires. This man was caught by the Forest subordinates after the close of the year. Although complete information as to this man's connection with the fires is not available, it is believed that he was the cause of most of them. It is also, however, quite possible that some were lighted for the sake of grazing.

(*c*) *Protection from Cattle.*

20. The areas open and closed to grazing in each district are shown in Form No. 52 and the number and kind of animals grazed free or on payment of fees in the reserved forests and lands are noted in Form No. 53. The area closed to all animals during the whole year was 1,621 square miles against 1,696 square miles in the previous year and that for a portion of the year 89 square miles against 191 square miles in 1903–1904. The percentages of forests open to grazing and browsing to the whole area are 89·4 per cent. and 4·3 per cent. respectively.

Goats were excluded from all reserves in *Ganjám*, *Vizagapatam*, *Gódávari*, *Kurnool East*, *Anantapur*, *South Arcot*, *Tanjore* and *Trichinopoly*, and in all the districts in the *Southern Circle* excepting *South Malabar* and *Madura.* In *Chingleput*, the Royal Artillery Range of the Kolathur reserved forest where goat-browsing was permitted in previous years to keep down the growth was not browsed during the year, as no permits were purchased owing to the poverty of the growth. The rate of As. 12 per goat in *North Arcot* being in force during the year under report as well as in the previous year, goats did not resort to the forests. In *North Salem*, goats were excluded from all reserves in the Tiruppattúr range. In Dharmapuri and Hosúr ranges, portions of reserves, aggregating in all 58 square miles, were open to browsing. Seven square miles of reserved forests were similarly open in the *Salem* East Range of *South Salem* district, the unreserved wastes elsewhere being found sufficient for goat fodder.

21. The following table gives an analysis of the cattle impounded during this and the previous year with the average for the three years preceding :—

Districts.	From open forests.		From closed forests.				Total.		Average for the three years ending 1903–1904.
			Holding permits for open forests.	Having no permits.	Holding permits for open forests.	Having no permits.			
	1903–1904	1904–1905.	1903–1904.	1903–1904.	1904–1905.	1904–1905.	1903–1904.	1904–1905.	
Northern Circle.									
Ganjám ..	565	225	..	3,060	..	1,838	3,625	2,063	3,326
Vizagapatam ..	2,532	3,205	..	..	..	..	2,532	3,205	3,525
Gódávari ..	3,084	1,739	..	430	..	22	3,514	1,761	4,202
Kistna } (b)	221	2,840	922	845	488	1,517	1,988	4,845	} 26,933
Guntúr } (b) ..	3,539	4,414	549	4,717	1,216	2,189	8,805	7,819	
Kurnool, East ..	} 25,718	18,564	..	1,772	..	652	} 27,490	19,216	} 29,710
Do. West ..		17,503				328		17,831	
Bellary ..	22,545	12,318	..	1,283	..	63	23,828	12,381	16,488
Anantapur ..	19,110	8,208	..	2,039	103	1,717	21,149	10,028	18,933
Total, Northern Circle ..	77,314	69,016	1,471	14,146	1,807	8,326	92,931	79,149	103,117
Central Circle.									
Cuddapah ..	(a) 14,964	13,551	..	17,094	..	7,771	32,058	21,322	53,708
Nellore ..	19,526	10,047	..	10,774	1,233	14,451	30,300	25,731	46,599
Chingleput ..	4,534	4,771	244	480	376	428	5,258	5,575	5,505
North Arcot ..	10,463	16,003	99	9,817	997	6,483	20,379	23,483	40,634
South „ ..	(a) 34,495	21,797	(a) 157	(a) 494	59	449	35,146	22,305	56,796
North Salem ..	3,765	2,914	..	4,802	242	2,975	8,567	6,131	10,057
South ,,	7,402	6,495	113	604	235	1,174	8,119	7,904	12,118
Trichinopoly ..	5,604	3,833	..	499	..	400	6,103	4,233	13,031
Tanjore ..	962	261	..	79	..	24	1,041	285	1,064
Total, Central Circle ..	101,715	79,672	613	44,643	3,142	34,155	146,971	116,969	239,512
Southern Circle.									
South Canara ..	1,054	1,371	..	(a) 101	..	77	1,155	1,448	1,162
North Malabar ..	232	156	..	13	..	9	245	165	102
South ,,	..	..	..	80	..	39	80	39	44
The Nilgiris ..	557	146	130	61	387	11	748	544	919
North Coimbatore	5,067	7,314	..	1,196	..	1,575	6,263	8,889	5,979
South ,,	2,852	2,291	37	251	..	47	3,140	2,338	3,553
Madura ..	18,924	11,544	..	..	..	2,560	18,924	14,104	12,031
Tinnevelly ..	932	1,535	788	3,606	191	2,951	5,326	4,677	4,150
Total, Southern Circle ..	29,618	24,357	955	5,308	578	7,269	35,881	32,204	27,942
Grand Total, Presidency ..	208,647	173,045	3,[illegible]9	64,097	5,527	49,750	275,783	228,322	370,571

(a) Revised figures.

(b) The discrepancy between the closing balance of the previous year and the opening balance for the year under report has not been explained.

The number of animals of all classes impounded during the year was 228,322 against 275,783 in the previous year, and 370,571, the average of the previous three years. The decrease is noticeable chiefly in *Bellary*, *Anantapur*, *Cuddapah* and *South Arcot*. The fall was due to the increased number of cattle licensed during the year in *Bellary* and *Cuddapah*, and to the deterrent effect of high compounding fees in the latter district, to the probable connivance of forest subordinates in *Anantapur* in

impounding only a portion of the herds that illicitly grazed, and to the drought which affected the number of animals in *South Arcot* which would otherwise resort to the forests. In this district, as well as in Cuddapah, higher compounding fees for goats had a deterrent effect. There was a marked increase in the number of animals impounded in *Kurnool East* and *West* and this is due to the division of the district into two charges and the consequent increased supervision over the forests. Steps were taken to capture the semi-wild cattle which browse on the coppice shoots in the Sríharikóta forests, *Nellore*, 472 animals in all were caught and impounded with the aid of professional cattle-catchers.

(d) Protection against Injuries from Natural Causes.

22. *Northern Circle.*—In *Ganjám* the root fungus disease in Agastinowgam plantation mentioned last year was finally identified by Dr. Butler as *Trichosporium vesiculosum.* Affected trees were being felled and rooted up to check the spread of this disease and of the borer *arbela teraorius.* To permanently save the plantation, various kinds of broad leaved trees are being introduced experimentally with the hope of finding some species immune to both the pests. In *Gódávari* the *xylia* is reported to be attacked by a beetle during the hot weather and efforts are being made to procure specimens of the insect. A specimen of a caterpillar found on the xylia since the burst of the monsoon will be sent for identification. Teak leaves were found during the rains to be riddled by some caterpillars which were identified by Mr. Stebbing as one of the Jassids. This insect was forming small galls on the upper and the under surface of the leaf riddling the leaf structure. In *Kistna*, considerable damage was caused to the casuarina plants in Gopavanipalem reserve by a borer which tunnels under the soil and cuts the plants just below the collar. Their presence is traceable to the thick layer of needles that remain on the ground, when the coupes are clear felled.

Central Circle.—In *Cuddapah*, a mole, 350 cubic feet, was constructed to protect the Kodur plantation from being washed away by the river. A caterpillar defoliated the satinwood in some reserves of Kadiri and was identified as *Papilis Erychthomeus* by the Rev. D. Campbell of the London Mission of Jammalamadugu. In Pullampet the commercially valuable galls of *Terminalia chebula* were not collected to their usual extent owing to the Seshachallam plateau being mostly unburnt; *Pterocarpus santalinus*, *Hardwickia binata*, *Anogeissus latifolia* and *Albizzia odoratissima* were slightly attacked by an insect called *Bazinikka.* In *Nellore*, the borer *arbela teraorius* was present in the casuarina plantation, but had done only comparatively little damage. A more serious matter was the appearance, as in *Ganjám*, of the root fungus disease identified by Dr. Butler as *Trichosporium vesiculosum.* The damage done during the year under report was very great and the disease apparently continues to spread. Sample plots are being placed under observation with a view to determine the percentage of mortality and rate of progress of the disease. It appears, however, doubtful whether the damage is to be attributed altogether to this particular disease or to the prevailing drought; for, copious watering seems to revive the apparently diseased trees though some of the symptoms described by Dr. Butler are present. It is also observed that the disease attacks only young and weak trees. Though it may not be possible to eradicate the disease, the blocks in which trees have died will be cleared. In *South Arcot*, the casuarina plantations were as usual infected with bark eating borers but no appreciable damage was done. But there was an increase in the death of casuarina trees due to root fungus, and as a defence against its spread, prompt felling, careful extraction of roots and removal of diseased trees and digging of trenches around affected patches had been prescribed. In *South Salem*, the further experiments to eradicate prickly-pear by grafting diseased ones on to the healthy ones growing in the Shevaroys ghat road proved a failure. A grub attacked borasu (*Chloroxylon Swietenia*) trees in Harur South Range and was forwarded to Mr. E. P. Stebbing for identification. Climbers and creepers affecting standard trees and sandalwood trees on the Chitteris, Pachamalais and Kollimalais were cut by the subordinates. In *Tanjore*, the trees in the Tirumallavasal casuarina plantation were partly attacked by insects, creepers and parasites, the two latter were partially cleared by the Forest Subordinates.

Southern Circle.—In *South Canara*, specimens of pupæ of a larva attacking teak in the Parappa plantation were sent to the Government Entomologist and identified by him as *Pyrausta Machœralis.* About 50 trees at Tannirbhavi casuarina plantation were uprooted by the erosion of the sea. In *North Coimbatore* the now-well-known sandal disease termed "spike" was prevalent and all attacked trees were immediately removed. In *North Malabar* nothing was done to check the growth of the lantana. In *South Malabar*, three prominent teak pests were noticed, viz. (1) locusts, (2) *Hyblaea puera* and (3) *Pyrausta Machœralis.* An unknown species of caterpillar was also observed. Several acres were cleared of parasites. Mahogany borers were still prevalent and affected branches were cut. Some damage was also caused by the floods.

4. Sylviculture.

(*a*) *Natural Reproduction.*

23. *Northern Circle.*—In *Ganjám*, the sâl seeded with extraordinary vigour owing to the absence of fires and to the occurrence of some rains during the hot weather. Reproduction by seeds and from coppice was very vigorous, the coppice growth in 1903–1904 coupes reaching in places a height of 15 feet. In *Vizagapatam*, reproduction from seed especially of *Terminalia tomentosa* was satisfactory in Golgonda and a good crop of sâl was found in Palkonda Range. Reproduction from seed of teak, sâl and *Pterocarpus Marsupium* was also observed in the Chinnamangalapuram tope. Coppice reproduction was satisfactory throughout, especially in Antikonda, the shoots of *Terminalia tomentosa*, being in places about 15 feet in height. *Cleistanthus collinus* is found to throw out the most vigorous shoots during the first year and the *Terminalias* and *Cassia* during the second. In *Gódávari*, there was good reproduction in protected areas. Several of the previous year's mangrove seedlings however died for want of rains and many of the teak seeds were blown away during the severe cyclone of October. In *Kistna*, the important species reproduced themselves well from seed, and there was marked reproduction of bamboos by the spreading of culms in Kondapalli, Kondur and Kothur reserves. Coppice reproduction was vigorous especially in Kondapalli where the shoots were 12 feet in height and 9 inches in girth in 1901 compartment and 3′ to 5′ in height in subsequent years' compartments. In *Guntúr*, the reproduction from seeds of *Melia indica*, soapnut, *Hardwickia binata*, sundra and *Anogeissus* was satisfactory, though perhaps sundra depends mostly on reproduction from rootsuckers. Mangrove reproduction was abundant along the salt creeks and the seedlings showed on measurement an increase in growth of $\frac{1}{10}''$ to nearly 1″ for 8 months. Reproduction by coppice in babul areas was good throughout and root-sucker reproduction was observed in the better soils. In cut coupes the reproduction was mostly of inferior species, the sowings of the better species ordered in these coupes having been disregarded or having come to nothing. The dryness of the season, though it did not favour the reproduction of yepi (*Hardwickia binata*) in Palnad and Vinukonda, prevented fires and safeguarded the reproduction of previous years. In *Kurnool East*, owing to the prolonged and severe hot weather the seeding of teak, *Pterocarpus Marsupium* and *Dalbergia latifolia* was very unsatisfactory, the fruits having dried up before the seeds were fully developed. *Hardwickia binata* was the only species that seeded profusely. In protected areas such as the felled coupes reproduction by seed of previous year of *Pterocarpus Marsupium.* (*Terminalia tomentosa*) blackwood, *Anogeissus* and *Hardwickia binata* was satisfactory. Rootsuckers of blackwood and teak were also promising. Teak seedlings came up well in favourable localities. In moist soils in Cumbum reserve blackwood seedlings throve and young bamboo took the place of valuable timber species. *Hardwickia binata* reproduction by seed was most satisfactory in open ground. Coppice reproduction in felled coupes in the Railway working circle was very promising despite the intense heat of the summer. In *Kurnool west*, seedling reproduction was unsatisfactory owing to fires and scarcity of rains but in Nandyal range *Hardwickia binata* seeded very profusely. Reproduction by coppice was good in Yerramalai coupes and excellent in the recently felled Honkaram coupe. In *Bellary*, the natural reproduction was good in Sandur leased forests, Rayadrug and Mallapuram reserves. Seedlings in the specially protected *Hardwickia binata* blocks came up well and the growth of bamboos in Rayadrug showed a marked improvement. There was little seedling

reproduction elsewhere owing to excessive grazing and the dry nature of the soil. Coppice reproduction was good in protected areas *Hardwickia binata* and *Acacia* showing the best reproduction. In *Anantapur*, reproduction was poor owing to short rainfall.

Central Circle.—In *Cuddapah*, nearly all deciduous species coppiced well, more especially *Premna tomentosa* in the Kadiri fuel coupes. *Hardwickia* seedlings were numerous where the grass was not thick on shales but were grazed down for the most part. Reproduction by seed on drier areas was impossible, while in damper places the seedlings escaped fire. Teak reproduction was good in the Seshachellam upper valley in alluvial soil occasionally flooded. In *Nellore*, reproduction from coppice was generally satisfactory except in portions of Nellore coupes and of Sriharikota. Certain blocks in the Veligondas were set apart for natural reproduction from seed but it is too soon yet to judge definitely of the result. In *Chingleput*, the failure of the rains materially affected natural reproduction from seed. In *North Arcot*, in all fire protected blocks closed to grazing and in sheltered localities on the Javadis seedlings of Chloroxylon *swietenia*, *Terminalia tomentosa*, and *Arjuna*, *Anogeissus latifolia*, *Hardwickia binata*, *Pterocarpus Marsupium* and *Sandal* and *Albizzia odoratissima* were thriving well. Reproduction by coppice was fair, especially of sandal in parts of Palmaner plantation. Owing to complete exclusion of goats, many barren tracts had begun to reclothe themselves with inferior thorny shrubs the natural nurses of the tree species. In *South Arcot*, seedlings were scarcer than usual owing to drought. *Dodonœa viscosa* established itself in bare and even more stony places than usual. Plantations of cashew (*Anacardium occidentale*) produced a few purely self sown seedlings. Coppice reproduction was generally satisfactory though the growth was slower than usual owing to drought. *Albizzia amara* on deep pure laterite soil gave remarkably fine shoots and *Cassia siamea* also showed a remarkably fine growth. Cashew coppice was unsuccessful; but it occasionally reproduced itself by layers. In *North Salem*, reproduction by seed was generally satisfactory in the case of *Hardwickia binata*, *Anogeissus latifolia*, *Chloroxylon swietenia*, *Acacia sundra*, *Pterocarpus Marsupium*, *Albizzia odoratissima*, *Chickrassia tabularis* and *Santalum album*. Teak seedlings were observed in parts of Dharmapuri Range. Coppice reproduction of *Albizzia amara*, *Chloroxylon swietenia*, *Premna tomentosa*, *Canthium didymum*, *Melia indica and Albizzia Lebbek* was satisfactory. *Hardwickia binata* did not reproduce itself from stools. In *South Salem* reproduction from seed was poor owing to absence of rain but coppice reproduction was fair in the case of *Albizzia amara* and *odoratissima*, *Prosopis spicigera*, *Lebedieropsis orbicularis*, tamarind and sandal. The fires in Shevaroys South Working Circle damaged young seedlings and coppice shoots however. In *Tanjore*, reproduction by seed was not satisfactory owing to the failure of the monsoon which affected the existing seedlings and other trees also. *Memecylon edule* reproduced itself well from coppice and there was a good growth of that species in Vattangudi as mentioned last year. In *Trichinopoly*, coppice reproduction of *Inga dulcis Acacia arabica*, *Cassia florida*, satinwood, *Memecylon* and *Albizzia amara* was satisfactory and reproduction by seed was also fair. Some self-sown seedlings of *Acacia arabica* were noticed in the Pachamalais where protection against fire and cattle generally aided reproduction.

Southern Circle.—In *South Canara*, seedling reproduction was fair but suffered from heavy fires and drought. Coppice reproduction was good despite the long dry season. In *North Malabar*, reproduction was good in Begur and Chedleth ranges where there is a good growth of second class teak trees, though this tree in the sapling stage is markedly wanting in the standing crop. In *South Malabar*, the girdled trees of previous year in Pokode died and wherever irul (*Xylia dolabriformis*) were found a few seedlings came up underneath but generally the regeneration is disappointing. Over two acres in Eddacode plantation, natural reproduction of *Hopea parviflora* from seed occurred. Natural reproduction by seed in all the forests of this district is reported satisfactory while coppice shoots in the coupes cut for Railway fuel in Palghat range is also good. In the *Nilgiris*, seedling reproduction was good in protected areas while in unprotected localities the seedlings were mostly killed by fire. Coppice growth was excellent in portions of Mudumalai where improvement fellings had been made. Natural reproduction was good in the sholas on the plateau but poor on the slopes

owing to constant fires. In *North Coimbatore*, sandal reproduction from seed and from root-suckers was fairly abundant, the seedlings thriving only under the shelter of undergrowth, as elsewhere they suffered from exposure to sun, trampling of cattle and grazing. Reproduction from coppice was poor in Bennari coupes owing probably to the very dry season. In *South Coimbatore*, teak, venteak and rosewood, etc., reproduced themselves well from seed in the Tekadi forests but the marked absence of the pole and sapling, stage of growth is noticeable as an unsatisfactory feature in these forests. The seedlings that establish themselves occur, in open parts of the forests, which indicates suppression as the cause of absence of seedlings elsewhere and proposals to undertake special fellings for the regeneration of the more valuable species are under consideration. Reproduction from seed was satisfactory elsewhere where it escapes fire and grazing. In *Madura*, reproduction from seed was good in the unworked evergreen forests, while coppice reproduction of *Albizzia amara* was satisfactory in the coupes under special protection. In *Tinnevelly*, natural reproduction suffered as the year was very hot and dry. Regeneration was good over specially protected areas, while in the generally protected ones there was no regeneration, the areas being required to meet grazing requirements and being but thinly stocked were probably over grazed. Regeneration from seed continued good in evergreen forests. Reproduction from coppice was good everywhere in the working circles with the exception of the unreserved babul areas where the *Acacia arabica* did not reproduce itself well from stools though producing freely from seed, every single seedling was destroyed by goats. In one babul area which is a reserved forest however natural reproduction from seed was most successful owing to closure from grazing and absence of the goat. The Collector reports that the situation caused by the absence of regeneration is so grave that the Conservator has been addressed with a view to holding in abeyance by suitably modifying the working plans providing for fuel requirements in the plain ranges where the want of fuel is very keenly felt.

(*b*) *Artificial Reproduction.*

24. The areas under plantations and topes or subjected to cultural operations as well as the cost incurred are given in Form No. 54.

Regular plantations.—In the coast casuarina plantation in *Ganjám*, young *Melia indica* trees interplanted with casuarina did particularly well, but *portia* and *sissoo* similarly treated showed less satisfactory results. Mahogany seeds sown in Narasapatam nursery, *Vizagapatam*, germinated well and seedlings of *Divi divi*, *Terminalia Chebula*, etc., raised there were planted out in the working circle. In *Gódavari*, casuarina was planted in Bendamurlánka and in Kandikuppa plantations over areas of 43 and 38 acres respectively. In *Kistna*, besides the maintenance of the usual nurseries, 18 and 16 acres in Gopuvanipalam and Kanukollu reserves respectively were planted with casuarina and the casualties are reported to be about 15 per cent. Sissoo was planted in 100 and 14 acres respectively in Kanukollu and Malleswaram reserves and the casualties numbered about 11 per cent. and 50 per cent. the large percentage in the latter being due to the water in many of the wells turning brackish. Teak, mahogany, soapnut, tamarind and red-sanders throve in Bezwada reserve while margosa and *Albizzia Lebbek* planted in Bezwada and Jaggarayapet extension blocks did well for a time many casualties occurring later owing to continued drought. In *Guntur*, 70 acres in Bapatla range were planted with *Dalbergia sissoo* and the growth is said to vary from moderate to fair according to the soil. The protection afforded to old sissoo plantations in the Bápatla reserve enabled a vigorous growth from root-suckers to assert itself. In *Bellary*, the previous year's plants and the new plantings in Kuppagal and Tungabhadra plantations are doing well. The nursery near Chickanahalli was in a flourising condition. A nursery was formed in the Collector's office compound containing mango, tamarind, neem, divi divi, mahogany, etc., and seedlings from it were supplied to the jail, Public Works Department and the public. In *Nellore*, 359 acres were planted with casuarina in the coast range The absence of rain as well as the root fungus disease, however, injuriously affected some of the 3 to 5 years' old plantations where the mortality was so heavy as to necessitate replanting. Thirteen acres of Kollurpad plantation were planted up with mahogany and other valuable kinds of timber-producing trees, and casuarina was introduced throughout

as a nurse. The adverse season affected the growth of the young plants which have however been kept alive. In *Chingleput*, 50 per cent. of *divi divi* in Maiyur plantation were doing well but the mango transplants failed. In *South Arcot*, 62·87 acres in Cuddalore coast plantations were planted with casuarina, but the planting in 14 acres failed owing to continued drought. Some seeds were got from Messrs. Minchin & Co., Gopalpur, and sown, but no difference was observed between plants derived from them and those from local seeds. In *North Salem*, the sandal seedlings planted in the Andiappanur rest-house compound and referred to in the previous year's report have all died. They were replaced by graft mango plants which are thriving well. In *South Salem*, a nursery was opened in Shevaroys Central Working Circle and over 24,000 silver oak seedlings were produced, 15,000 pits were dug and transplanting commenced. An experimental nursery garden was opened at Hastampatti and seedlings of various species, exotic and indigenous, were raised. In *Tanjore*, about 63,000 casuarina plants were planted in North and South plantations and previous years' plants were maintained. In *South Canara*, the growth in the Parappa and Tannirbhavi plantations was fair. Thirty-eight acres in Begur range were planted with teak and the plants are reported to be doing well. In Chedleth range 100 acres were similarly planted and the growth is said to be more promising than in previous years owing to the absence of lantana and rank grass. In *South Malabar*, 55 acres in Karimpaya were planted with teak and 5 with *Swietenia macrophylla*, thus completing the 1904 area to be planted as per working plan,. One hundred and thirty-five acres of the area appertaining to 1905 were prepared for planting and 11½ acres actually planted before the close of the year, leaving the remainder to be completed in July. In *Tinnevelly*, small plantations of casuarina, mahogany and bamboos were formed in Valliyur reserve and 2,628 casuarina and 435 mahogany were put out and are thriving. Bamboos were planted in Kaliavur and Nánguneri reserves with only moderate success however.

Taungya plantations.—Twenty-five acres were sown with teak in Pegha reserve, Marrigudem range, *Gódávari*. In *South Canara*, as usual, passes were issued to the Mahraties, a hill tribe, who kumaried 380 acres and collected seeds of teak, *Terminalia tomentosa* and *Pterocarpus Marsupium* which were sown in the areas cleared by them. Of the seedlings put out in the previous year, 19,000 survive. During the year under report seeds were sown at stake instead of in a nursery as in the previous year. In *North Malabar*, 50 acres in Kanoth range were planted with *Ficus elastica*, the cuttings being put out free of cost by Kurichers in land cleared by them for ponam cultivation. About 5,000 plants survive.

Cultural operations.—In *Gódávari*, bamboo seeds were sown broadcast on the banks of Pedavagu in Tuniki cheruvu reserve with satisfactory results. Planting of several species in a small area in Coringa reserve met with little success owing to the failure of the monsoon. Mangrove seeds were also sown in about 200 acres of the same reserve. In *Guntúr*, date seeds were largely sown in different parts. Fifty per cent. germinated but died owing to late sowing and severe drought. A similar fate attended the sowing of margosa seeds in 20 acres in Muthayapalem reserve and of palmyra seeds along boundary lines. Rattan roots planted in 1903–1904 all died, as the site selected was not suitable; but out of 1,000 planted on the banks of ponds or swamps, about a fourth are living. In *Kurnool West*, one year old edible date seedlings raised in pots were planted in Veldurti reserve, but did not survive the hot weather. 33·35 acres in the same reserve were sown with babul seed which did not germinate owing to the unfavourable season. The seedlings in other coupes of Kurnool range were doing well. In the coupes at Honkaram, Bairluti, Narayanapuram, Velgode, etc., seeds were sown in shallow pits and were doing excellently in Bairluti. This has led to a proposal for more extended operations in the direction at water centres with the double object of re-afforesting and the employment of a large number of Chenchus the whole year round. In *Anantapur*, sowings of *Santalum album* in Kothakota proved a failure for want of rains and seeds for areas to be regenerated artificially as per working plan were sown and germinated well. In *Cudd h*, the palmyra seeds sown in Kamesvaram and Vedurur reserved forests germinat , but 50 per cent. died and the remainder were partially buried by sand drift. In *Nellore*, *Melia indica* seeds were sown broadcast in compartments one and two

of Nellore Working Plan, but did not germinate owing to absence of rain. About 106,000 palmyra seeds were sown in some reserves, but only a third germinated, the absence of rain accounting for the unsatisfactory result. In *Chingleput*, date and palm seeds sown in previous year were doing well, but those sown during the year failed owing to want of rain. Seeds of manure leaf yielding plants were dibbled in or sown broadcast and may germinate if sufficient rains fall. In *North Arcot*, sandal seeds were sown in Palmanér tope with fair results. In Chittoor and Vellore Ranges seeds of manure leaf yielding species were sown in blanks of reserves, but did not germinate for want of rain. Four nurseries in Vellore and one in Chittoor were started for raising seedlings and one at Reddigunta was abandoned. In *South Arcot*, an attempt was made to start the planting of blanks in the flat scrub forests by means of cuttings. The experiment was however a failure owing to the drought. The weaker mahogany seedlings in Muttukadu put out in 1903 died, as also the *Swietenia Macrophylla* in two reserves in Kallakurchi planted in the same year. In Tindivanam some self-sown *Pterocarpus santalinus* seedlings were put out, but most of them died. A start was made to systematically sow seeds of palmyra, tamarind, etc., in Tiruvannámalai coupes but the result was unsatisfactory. In the unworked part of Nochikadu casuarina plantation two acres were sown with palmyra, neem and cashew. Palmyra and cashew germinated well but neem failed owing to the bad quality of the seed. In *North Salem*, sandal seeds were dibbled under bushes in Naganur and are flourishing. Seeds of *Hardwickia binata* and *Pterocarpus Marsupium* were sown in some reserves, but did not come up well. Some *Anogeissus latifolia*, *Chloroxylon swietenia* and *Shorea Talura* seeds sown in blanks did not germinate owing to drought. In *South Salem*, the graft mangoes in Mallapuram bungalow were thriving. The sowing of seeds of *Pterocarpus santalinus*, *Albizzia Lebbek*, *Anogeissus latifolia*, *Prosopis spicigera*, etc., in felled coupes proved a failure. In *Tanjore*, the previous year's palmyra, cashew and mango seedlings were thriving. In *Trichinopoly*, tamarind and *Bassia longifolia* seedlings of previous year were thriving and 50 tamarind plants were planted on both sides of the Sogapuram-Sengattupatti ghat road. *Hopea* seed was dibbled in near streams, etc., in Puthur range, *South Canara*, but failed, partly owing to the long drought. In *South Malabar*, 901 *Pterocarpus Marsupium* and 847 *Hopea parviflora* were put out on the margin of streams and 223 *Swietenia macrophylla* on road sides as avenue trees. 27½ acres in Eddacode were replanted with *Swietenia macrophylla*, *Dalbergia latifolia*, *Hopea parviflora* and blanks in Iravillicava were filled up. Plants of the above and other species were put out in Nilambur Range in areas partly coppiced in 1903–1904. About 5 acres in Beypore tope were planted with cocoanut trees. In *North Coimbatore*, an attempt was made on a small scale to secure seedlings by the ridge system of sowing in the Sullipalaiyam reserve, but owing to complete failure of the monsoon the result was inconclusive and a further trial is to be made. In *Madura*, fifteen blocks of unreserved lands aggregating 2,268 acres were selected and reserved during the year to extend artificial cultivation of manure leaf yielding shrubs for the benefit of holders of land in Madura taluk irrigated by the Periyár. 65 acres in two blocks were put under cultivation during the year and the seedlings are said to be thriving well. In *Tinnevelly*, teak, *Pterocarpus Marsupium* and other seeds were dibbled in a portion of Velliyur reserve and Gangaikondan reserve, but failed owing to absence of rain. The usual operations for reclaiming the sandy waste called Teri were made and previous years' casualties replaced, but the success of the operation was much interfered with by the extraordinary dryness of the last two seasons; a marked advance was however made in reclaiming the shifting sand of which the reserve is composed. A large area of evergreen forest on steep hill slopes in Ambásamudram cut down by a local hill tribe called Kanis was planted up with indigenous shola species and the regeneration was reported successful.

(c) *Operations for the Improvement of Growing Stock.*

25. *Northern Circle.*—Improvement fellings were made in Kurcholi reserve in *Ganjám*, in Pegha reserve in *Gódávari*, and in the Nallamalais in *Kurnool East and West*. Creeper cutting was as usual effected by the subordinates throughout *Gódávari* except in the delta range. In *Guntúr*, coupes were fenced, stumps cut flush, standards selected and babul standards pruned.

Central Circle.—In *Cuddapah*, thinnings and creeper cutting were made in Kodur plantation and in coupes leased out in Pullampet. Girdling of large spreading *Terminalia belerica* trees and cutting of creepers on teak and redwood trees were also carried out. In *Nellore*, pruning of casuarina poles was carried on in the plantations. In *Chingleput*, weeding and cutting of creepers were done in felled areas. In *North Arcot*, prickly-pear was removed in certain plantations in the Vellore range, and the cutting of creepers affecting the standards in the felled coupes, the red sanders in Mamandur forests and the sandal trees on the Javadis was also carried out. In *South Arcot*, thinnings were undertaken in Fort St. David Plantation. In *North Salem*, creepers were cut in all the felled coupes. In *South Salem*, hollow, crooked and useless trees were removed under the coppice with standard system and bamboos were systematically felled by contractors. Prickly-pear in Nallur tope was completely eradicated, the hedge maintained and trees protected.

Southern Circle.—In *South Canara*, creepers were cut over 1,000 acres and useless trees in firewood coupes of Coondapoor range were girdled. In *North Malabar*, the weeding of three plantations in three ranges was undertaken. In *South Malabar*, 680 acres of teak plantations were thinned and $16\frac{1}{2}$ acres of mahogany in Iravillicava were pruned. In the plantations already thinned creeper cutting was done. Four plantations were cleared of parasites and weeding was done in the younger plantations of Amarampalem range. In the *Nilgiris*, thinnings were made in the teak plantations at Mudumalai and Benne. The crooked unsound saplings were removed and the upright ones pruned. In *Tinnevelly*, improvement fellings were carried out in Nadugani working circle and creeper cutting in the felled coupes of 1903–1904.

With regard to the question of the arboricultural development of the more important reserves and the provision made for special forest requirements of each district or group of districts referred to in the previous year's report, Collectors do not specifically report on the subject but refer to the operations undertaken under artificial reproduction and cultural operations, from which it will be observed that action is being taken in this direction as far as opportunity and seasons permit. More extended operations of this nature, however, must await completion of working plans and special work, such as survey and settlement, which still take up a considerable portion of the establishment's time in some districts.

(*d*) *Experiments.*

26. The results of experiments made with exotics and other plants are given below :—

Agave ixtle.—The 103 plants in the Palmanér Range in *North Arcot* were doing well, but of the 38 in Palamadi and Kylasagiri reserves 8 died.

Bamboos.—Seeds of *Arundinaria hookeriana* were sown in Weld and Gopuvanipalem reserves in *Kistna*. A fair percentage germinated but died in spite of careful watching. Two clumps of *Bambusa longispathus* planted some years ago near the Uppinangadi travellers' bungalow in *South Canara* now contain about 260 bamboos. Eight young clumps of giant bamboos (*Arundinaria Brandisii*) are in good condition in *South Malabar* where there are also a few clumps of yellow bamboo (*Bambusa vulgaris*) in Iravillicava. *Cephalostachyum pergracile*, *Dendrocalamus longispathus* and *Bambusa longispathus* are well established along river banks in the same district. These bamboos are of inferior strength though they have the advantage of being thornless.

Rubber trees—(*a*) *Landolphia florida.*—The 22 trees in *South Malabar* mentioned in last report are in good condition though somewhat damaged by monkeys.

(*b*) *Ceara*—(*Manihot glaziovii*).—The plants in Chatrapur, *Ganjam*, exist without thriving. A single tree apparently remnant of an abandoned rubber plantation on Kondapalli hill, *Kistna*, has reproduced about 50 plants, all of which are doing well, the climate and other local circumstances of Kondapalli evidently suiting the species. Those put down in Someshwar, *South Canara*, did not germinate, but 4 out of 300 seedlings planted near Alur rest-house were 9 inches high and in good condition. Seeds sown in Kanoth in *North Malabar* did not germinate. In *North Malabar* 2 acres in Kanoth reserve contain well established and large trees which

have been tapped once without results being recorded however. There is another plantation at Manantoddy which has similarly been tapped. The trees in *South Malabar* diminished in number some being blown down by wind, while their natural reproduction was considerably checked by deer and Sambhur. None of the 1304 seeds (Kallar variety) sown in the nursery last year germinated. In the *Nilgiris*, there are 16 well-grown trees in and around Benne nursery and growth from their seed is abundant. Three thousand five hundred and fourteen seedlings were planted in Benne Teak Plantations and station and Mudumalai, but none of the seeds sown in the nursery germinated. An attempt was once more made to introduce the species in *North Coimbatore* but was a failure, only two meagre seedlings surviving in the Range Compound at Satyamangalam. The Ceara rubber trees planted at Mount Stuart in *South Coimbatore* are well established and are bearing seed; natural reproduction from seed is also prevalent. Sowings of this tree at Kodaikánal, *Madura*, proved a failure. A small percentage of seeds sown in *Tinnevelly* germinated. There is a fine specimen of the tree 12′ high.

(*c*) *Ficus elastica.*—The young plants put out in various places in *Ganjam* did well where sheltered from the sea coast wind and sand blow, but died elsewhere. In *Nellore*, the experiment proved a failure in Kollurpad plantation.

(*d*) *Heavea braziliensis* (*Para rubber*).—Seeds failed to germinate in *South Arcot.* Three hundred and twenty plants survive in the nurseries at Someshwar in *South Canara* and are being transplanted. Of 535 seeds sown in Begur, *North Malabar*, 15 germinated and only 3 now survive. In *South Malabar*, 24 trees exist in Iravillicava in good condition. Of the 535 seeds sown, 64 germinated, but owing to the damage done by rats, monkeys and porcupines, only 8 plants survived.

(*e*) *Kicksia africana.*—Only 22 of these exist in *South Malabar.* They show very shrubby growth and are not likely to produce much latex. They were much damaged by a boring caterpillar.

(*f*) *Dichopsis elliptica.*—One hundred and fifteen lbs. of rubber were manufactured from the milk of this plant in *South Coimbatore* at a cost of Rs. 100 and sent to Messrs. Peirce, Leslie & Co., at whose instance the experiment was undertaken.

Date trees.—Last year's plants were doing well in *Gódávari*, but those in *Kistna* perished owing to drought. Of the 60 seeds sown in Atmakur, *Kurnool West*, only twelve germinated and seven are in good condition. The trees in *North Arcot* do not look healthy, while in *Trichinopoly* the surviving plants, about a dozen in number, mentioned in the last report, showed no progress in growth. In *Tanjore*, 132 plants mentioned in last year's report are surviving. *Phœnix acaulis* and *Phœnix sylvestris* are common on the hills in *North Coimbatore*, but an attempt to introduce *Phœnix dactylifera* proved a failure.

Divi Divi.—Last year's seedlings are doing well in Bhadráchalum, *Gódávari.* Some of the plants raised in Sriharikota in *Nellore* in 1903–1904 were transplanted into compartment I of the reserve, but want of rain had told upon them. In the Kilminnel plantation in *North Arcot*, the plants were in excellent condition and yielded ten candies of pods against three in the previous year. It has been proposed to put down plants in all the current year's coupes of the plantations. Last year's seedlings, especially those put down in the compound of Tattakarai bungalow, *North Coimbatore*, have produced a profuse crop of flowers.

Durian plants.—The one plant in *South Malabar* died in November 1904.

Eucalyptus Globulus.—The trees in Venkatagirikota plantation in *North Arcot* continued to thrive well, but those in other plantations made little progress. In *Tinnevelly* this species is thriving and about five of another species presumed to be *Eucalyptus citriodora* are also growing well. Three hundred seedlings were put down at Nadugani bungalow and around the Karuppankoil. Those put down at the former locality did not thrive but those around the latter did well.

Jacquarandus.—Seeds were sown in nurseries and the seedlings look healthy.

Logwood.—The single plant put out four years ago in Kandikuppa plantation in *Gódávari* was growing rather slowly. It is now 10′ in height and 4½″ in girth. Of 50 plants planted last year only 20, 2′ to 4′ in height, survive.

Mahogany.—Two trees about 25' high planted about 1890 in the District Forest-officer's garden, *Ganjám*, and identified by the Conservator to be of this species are growing well. One of them flowered during the year. Seeds sown in Narasapatam nursery, *Vizagapatam*, did not germinate while those sown in Kunavaram, *Gódávari*, germinated and seedlings were being transplanted in Rékapalle hill reserve. Some seeds were sown in pots and baskets in Cumbum and Dornal in *Kurnool East*. The percentage of germination in the Cumbum Range was observed to be much larger in the case of seeds soaked in campher solution than in the case of the rest. Twelve seedlings were transplanted and are doing well; 31 plants in Velgode Range and 8 in Nandyal in *Kurnool West* are in good condition. Of 750 seeds sown in baskets in Petcheruvoo in the Nallamalais, only 32 germinated; 9 of these seedlings died after transplantation, but the rest are very promising. Seeds sown in Kollurpad plantation in *Nellore* have germinated. In *North Arcot*, the trees of the previous year were in fair condition as also some seedlings planted in Chittoor reserve. A further lot of seedlings was raised in nurseries in Chittoor and Vellore Ranges. No seedlings of 1904 were put out in *South Arcot*, the season being so unfavourable. The plants in Muttukadu coupe of 1903 did fairly well, but the drought killed off the weaker ones. A few in other places continued to flourish. The surviving plants in *Tanjore* are thriving. The existing plants in Puttur and Udipi Ranges in *South Canara* are growing fairly well as also 15 new ones put out during the year near the Kombar rest-house. One pound of seeds was sown in *South Malabar* and 134 plants were obtained. In the *Nilgiris* 41 young seedlings were put out in Benne teak plantation and were thriving as also 50 trees in Benne station compound. Of the 325 plants that survived in *South Coimbatore*, 146 died of drought in Walayar and Punachi reserves and the rest are in good condition. The trees in the older plantations in *Tinnevelly* seeded and the seeds germinated in the nursery.

Swietenia macrophylla.—Four hundred and twenty-seven seeds were sown in pots in *Gódávari*, of which 205 germinated and came up well. In *Kistna*, of 1,015 seeds sown in Weld plantation, only 50 germinated and are thriving. Only three plants 4' or 5' high survive in *Guntur*. Of the seedlings planted at Diguvametta, *Kurnool East*, three years ago, 5 died, 4 were attacked by borers and only three are in a healthy condition. In two forests in Kallakurichi, *South Arcot*, the plants mostly died through bad treatment and neglect. The existing plants in Puttur, *South Canara*, are doing well. In *South Malabar*, the big tree in Chathambarai planted in 1873 measures 94' 10" in height and 7' 2½" in girth as against 94' in height and 6' 10" in girth in the previous year. It has not yet flowered. The trees planted in the teak plantations are in good condition in spite of attacks of borer and deer. Of 3,500 plants put out in Walluvasheri and Chathambarai plantations, only 597 survived. Fourteen thousand four hundred and ten seeds produced 10,176 seedlings, of which 8,000 were put out in Eddacode. There are 67 trees in Dhoni growing well. A large percentage of the seedlings planted in Amarampalem Range is doing well. In *Madura*, the plants in Alagar hill reserve and Kanavoipatti rest-house are in good condition. Four hundred and thirty-five seedlings were put out in *Tinnevelly* where a defoliating caterpillar did considerable damage.

Paspalum dilatatum.—The plants in *South Arcot* died. In *South Salem*, it thrives well in the experimental garden at Hastampatti, while in *Trichinopoly*, it did excellently in the Vengur padugai plantation. The grass cut in the latter district weighed 5,425 lbs. and realized Rs. 14-6-0. 40 pounds of seed were collected and are being disposed of at Rs. 2 per pound. The cultivation has proved a success and is being extended during the current year.

Pterocarpus santalinus—Grows on the sandy loam of Chatrapur, *Ganjám*, a remarkable result of somewhat desultory experiments in previous planting. Some 80 self-sown seedlings from trees originally introduced and planted in a tope in *South Arcot* were put out in a forest in Tindivanam range; of which only 40 survive, the rest having died on account of the drought. Seeds were sown in Kurumbapatti reserve and in Shevaroys West Working Circle in *South Salem* but did not germinate for want of rains.

Pterocarpus macrocarpus.—Four of the five specimens in *South Arcot* died.

Peltophorum ferrugineum.—The 24 plants in Vettangudi reserve, *Tanjore*, are doing well.

5. Exploitation.

(a) System of Management.

(i) *Major Forest Produce.*

(1) *Clear or Regeneration Fellings.*

27. *Northern Circle.*—Clear fellings were carried out in coupe II as well as in a portion of coupe I left unfelled in the previous year in Augustinowgam plantation, *Ganjám*, in 7 acres in compartment II-D of Bendamoorlanka plantation and compartment A5 (277 acres) of Kandikuppa Mangrove reserve in *Gódávari*, in 16 acres of coupe 5 of Gopuvanipalem reserve, 20 of Kanukottu and 10 of Venavarappad in *Kistna*, in 15 acres in Wadarevu reserve, *Guntur*, and in compartment II of Kothakota Working Circle, *Anantapur*.

Central Circle.—354 acres of casuarina plantations in *Nellore*, 92 and 97 acres in *South Arcot* and *Tanjore*, respectively, were felled under contract, while in *North Arcot*, 64 acres were worked departmentally for supply to the Jail Department and the public of Vellore. In *North and South Salem*, trees on certain tank-beds were clear felled and removed.

Southern Circle.—1·87 acres of the casuarina plantation at Tannirbhavi in *South Canara* and 135 acres in coupe II of Karimpoya reserve in *South Malabar* were clear felled.

(2) *Selection Fellings.*

28. *Northern Circle.*—In *Ganjám*, five compartments aggregating 14,200 acres in Galleri and Chendragiri were worked on contract for the removal of dead sâl trees marked by the department. In *Gódávari*, 68 casuarina trees were felled in two compartments of Bendamoorlanka plantation for supply to the Public Works Department. In *Guntúr*, mature casuarina trees were felled in Bápatla reserve, block I. In *Kurnool East and West*, departmental operations were undertaken for the supply of dead timber and agricultural implements to the existing depots and for the construction of a Range office and depot sheds in the latter. In *Anantapur*, 44 tons of fuel were cut in Illur reserve under this system.

Central Circle.—Selection fellings were conducted departmentally, chiefly in the collection of sandalwood, redwood and timber in the districts of *North Arcot, North and South Salem*. All the bamboo blocks except three in *North Arcot* and nine blocks in *South Arcot* were worked by contractors under this system. In *Trichinopoly*, 1,135 tons of fuel were collected from four tank-beds for sale to the public and the water-works at Trichinopoly.

Southern Circle.—Departmental fellings were undertaken in one timber coupe in Shiradi Working Circle in *South Canara*, two coupes in *North Malabar*, two in *South Malabar*, and in two compartments of Tekadi leased forests in *South Coimbatore*. In *North Coimbatore*, dead trees were removed departmentally from three coupes, dying and spiked sandal trees from all sandal working circles and fuel from three coupes. *Tectona grandis*, *Pterocarpus Marsupium and Lagerstrœmia lanceolata* were felled in Mudumalai, *Nilgiris*. In *Madura*, 200 trees in Cumbum range were removed on contract.

(3) *and* (4) *Improvement and Coppice Fellings.*

29. *Northern Circle.*—In *Ganjám*, Kurcholi B compartment 3 was treated under light improvement felling, four coupes (130 acres) of sâl forests were sold to contractors with standards marked for reservation and three coupes in Mohiri Hills Working Circle were worked departmentally under coppice with standards. A coupe (121·25 acres) in *Gódávari*, coupe No. 5 of Avanigadda Mangrove Working Circle and all the fuel coupes in Bezwada range, *Kistna*, two coupes in *Guntur* (460 acres) and seven compartments in *Bellary* were treated under the same system. Four coupes (4,500 acres) in *Kurnool East* and six (1,365·6 acres) in *Kurnool West* were similarly worked and the produce from the latter was sent to Kurnool for the Municipal water-works.

Central Circle.—In *Cuddapah*, twenty coupes were worked departmentally under the coppice with standards system, as also two coupes in Pullampet under a combined system of improvement and coppice fellings for extracting redwood and other timber. In

Nellore, coupes under Survepalli plan were coppiced by contractors and four coupes were worked departmentally under the coppice with standards system which was adopted in all the remaining coupes worked by lessees. In *Chingleput*, 29 coupes of 3,282 acres were worked by contractors under this system, while in *North Arcot*, 11 coupes (1,252 acres) were coppiced departmentally and 20 (2,398 acres) by contractors. 46,080 cubic feet of fuel were felled by the ryots in Chendragiri for jaggery boiling and cleaning operations only were undertaken in coupes in Palmanér, there being little or no demand for fuel there owing to supplies from zemin forests being plentiful. In *South Arcot*, the coppice with standards system was adopted for 42½ acres worked departmentally and 53 ½ acres worked by contractors. Five coupes in *North Salem* were treated departmentally under this system and two were coppiced. Five fuel coupes (1,074 acres) were worked by contractors, the standards being reserved, and 25 bamboo coupes under improvement fellings. In *South Salem*, the coppice with standards system was invariably adopted, eight coupes being worked by contractors and the rest departmentally. Four bamboo coupes were sold to contractors to be cut over in accordance with the requirements of the working-plan by gangs of coolies in charge of maistries. 565 acres in *Tanjore* and 468 in *Trichinopoly* were worked by contractors under coppice with standards.

Southern Circle.—Four coupes (198 acres) in *South Canara* were cut departmentally, standards being reserved, as also 72½ acres in *South Malabar* for supply to the railway and 1,559 acres in ten working circles in *South Coimbatore*. In Ootacamund and Coonoor plantations in the *Nilgiris*, blue gum trees were felled on the coppice system. In *Madura*, 20 coupes were worked by contractors and 18 departmentally and the produce supplied to the South Indian Railway, Madura mills and Madura depot. In *Tinnevelly*, improvement fellings were made in Nadugani working circle through the agency of a contractor and 18 coupes were sold to be worked under coppice and coppice with standards system.

(5) *Unregulated Fellings.*

30. (*a*) Felling and removal of produce under permits continued in all districts except *Tinnevelly*, being however generally confined to unreserved areas and to extraction of inferior classes of timber, fuel and bamboos required to meet local demand.

In *Gódávari*, *Kurnool East and West*, the permit system was in force in reserves not brought under working-plans, though it was being gradually abolished in the last two districts and located fellings substituted wherever possible. In *Bellary*, *North Arcot* (three blocks) and *South Salem*, bamboos were removed on permits. In *North Malabar*, small quantities of *Anogeissus latifolia*, *Terminalia tomentosa* and *Xylia dolabriformis* were felled for supply to the Tank Block mines and Madras Railway Company. In *South Malabar* and *South Coimbatore*, permits were issued for the removal of bamboos from certain areas.

(ii) *Minor Forest Produce.*

(1) *Miscellaneous Produce.*

31. Minor forest produce was generally disposed of by leasing it out to contractors.

Northern Circle.—In *Vizagapatam*, no leases were given out and the control of the sales was kept entirely in the hands of the department. The revenue collected, Rs. 23,345, was the largest in the history of the district due chiefly to the brisk demand for gallnuts caused by failure of that crop in the Bombay Presidency. In *Gódávari*, minor produce was chiefly exported from the Agency tracts on payment of the usual seigniorage fees. The minor produce in Rajahmundry range was, as in previous years collected departmentally by subordinates without cost. In *Kistna*, babul gum was collected departmentally and supplied to the Superintendent of Stationery. Quarrying stone and metal were collected by the Madras Railway Company and Nizam's State Railway in places in Bezwada reserve on payment of an annual rental of Rs. 5 per acre. Local Fund and Municipal departments also quarried in the same reserve. In *Guntúr*, gum, honey and wax were collected departmentally. In *Kurnool East* and *West*, the right of pre-emption for minor produce was assumed by Government during the year and depots were opened for its collection in the former district. It is too early yet to speak definitely of the result of the system. In *Bellary*,

stones, earth and thatch grass were removed on permits. The minor produce in Sandúr range was collected departmentally.

Central Circle.—In *Cuddapah*, departmental collection was undertaken in Pullampet and portions of Vayalpad and Ráyachóti. In Sriharikota, *Nellore*, all minor produce except *Cassia auriculata* was collected departmentally. The permit system was in vogue for the removal of manure leaves, stones, date ribs and palm leaves in *Chingleput*, and for manure leaves alone in *North Arcot*. Divi divi pods in Nellore range and the minor produce in forests around Mamandur in Chendragiri range were collected departmentally. In *South Arcot*, the system referred to last year continued. In *Tanjore* manure leaves were sold on permits in the Point Calimere forest, while in *Trichinopoly* permits were issued for grass where it was not leased out on contract.

Southern Circle.—In *South Canara*, cardamoms were collected departmentally. 16 tons of catechu were manufactured departmentally at a cost of Rs. 160 per ton and were sold at Rs. 700 per ton. All other produce except spotted (naga) canes were exploited by purchasers or consumers. In *North Malabar*, the produce was collected departmentally on a very small scale. In *South Malabar*, departmental collection of minor produce was undertaken in the new Amarampalem reserve. In the *Nilgiris*, produce was collected departmentally as usual and stored in forest depots. In *North Coimbatore*, gallnuts, honey, wax and horns were collected departmentally, some wax was also supplied to the Medical Stores, Madras. Other items were leased out or removed on permits. In *South Coimbatore*, departmental collection was made in Polláchi and Udamalpet ranges. In *Madura*, permits were issued for manure leaves, thatch grass, stones, etc. The leases for cardamom referred to in previous years' reports continued and no fresh leases were given during the year. In *Tinnevelly*, permits were issued for rattans, Itakalli (*Ochlandra travancorica*) and stones.

(2) *Extraction of Fodder.*

32. *Northern Circle.*—In *Ganjám*, permits for chons and babuli grass and also platter leaves were issued. In *Gódávari*, the pasture lands in unreserves of two taluks were leased out as usual. In Bápatla range, *Guntúr*, mangrove leaves were extensively used for fodder. These are both cut and stored as well as browsed. *Hardwickia binata* leaves were also cut for fodder with the connivance of Forest subordinates however. In *Kurnool East* and *West* grass was removed on permits until January 1905 when free removal was permitted owing to scarcity. In *Bellary*, fodder was removed on permits in leased forests: 102 tons of dried grass were cut in the Sandur forests and Bellary reserve and sold, realizing a profit of about Rs. 3 per ton. 15 tons stored at Tornagallu were sold to the Military Department who were also permitted to cut about 300 cart-loads at Re. 1 per ton from Sandúr reserves.

Central Circle.—In *Cuddapah*, 31 tons of grass were collected and 17 disposed of for Rs. 132 barely covering cost of collection. In *Nellore*, Rs. 100 was realized under this head and towards the close of the year free removal was permitted in several taluks owing to drought. In *North Arcot*, the grass in the plantations was as usual leased out and free removal permitted for *bonâ fide* domestic purposes. In *South Arcot*, there was no demand for grass except in the Annamalai reserve. In *North* and *South Salem*, the revenue realized under this head was very small as free removal of grass from reserves and specially protected blocks was allowed owing to prevalence of drought. 5,425 lb. of *Paspalum dilatatum* grass were disposed of in *Trichinopoly*.

Southern Circle.—The right of collecting thatch grass was sold in *South Canara* and permits were issued for grass in *Madura*.

(3) *Hay-making.*

33. *Northern Circle.*—In *Guntúr*, the two presses bought last year were used for pressing 60 tons of hay. The failure of the monsoons prevented more being cut and slightly increased the cost of cutting. It was found that 1½ cwt. of green grass make 1 cwt. of hay. Each press was managed by five men who on a short day's work pressed 30 bales of 1 cwt. each at a cost of 6 pies per bale. The ordinary collection, etc., expenditure per ton was Rs. 8. Owing to a Ranger's failure to commence sales earlier in the year, only 25½ tons were disposed of for Rs. 225-12-0. Out of the previous year's balance 20 tons were sent to the Military Department at Nandyal, but were found unsuitable as horse fodder In *Kurnool West*, grass locally cut from

reserves supplied to the Military Department was fairly appreciated; the question of systematic hay-making is being dealt with in revised working-plans. In *Anantapur*, 18½ tons out of 30 stacked were sold to the Military Department for Rs. 82.

Central Circle.—In *Chingleput*, 30 tons of hay were sold for Rs. 142, the cost of cutting and stacking being Rs. 31. Villagers readily purchased it. In *North Arcot*, 57 tons were collected in Vellore range at a cost of Rs. 248, but fetched only Rs. 116, the ryots not being accustomed to its use. The operation in Chendragiri could not be started owing to the unfavourable season which left little or no grass in that place for conversion into hay. In *South Arcot*, 18½ tons were collected at a cost of Rs. 68 and the price realized was only Rs. 48. This low revenue is mainly due to rains setting in and consequently grazing improvement in the latter part of the year when sale was effected. In *North Salem*, 39½ tons were collected at a cost of Rs. 226, of which 11½ tons were sold for Rs. 40. In *South Salem*, 42 tons were collected at an expenditure of Rs. 153 and 17 tons realized Rs. 106. The rest was not sold as it was collected too late in the season. The late collections and subsequent favourable season prevented people from purchasing and thus low revenue was realized in some cases.

Southern Circle.—Thirty-five tons were manufactured in *South Coimbatore* at a cost of Rs. 304, but there was no demand partly owing to abundance of cholam straw and partly to the somewhat inferior quality of the hay obtained from jungle grass.

(4) *Grazing.*

34. The following statement compares the revenue derived from "grazing and grass removals" during the year with that of the previous year:—

Circle.	1903-1904.	1904-1905.	Difference.
	RS.	RS.	RS.
Northern Circle	2,27,781	2,22,709	— 5,072
Central "	2,64,872	2,83,871	+ 18,999
Southern "	1,14,747	1,20,894	+ 6,147
Total ..	6,07,400	6,27,474	+ 20,074

The decrease in the Northern Circle was mainly in *Guntúr* due to the bad season, bad protection and to the introduction of the face value permit system which on account of its novelty is reported to have retarded the collection of revenue. The Board has since left it to the discretion of Collectors to adopt the old permit system or the new face value system or both, according to local requirements (*vide* Board's Proceedings, Forest No. 134-A, dated 13th June 1905, disposed of in G.O., No. 818, Revenue, dated 5th September 1905). There had been an increase chiefly in *Kurnool East* and *Bellary*. In the former it was due to the division of the Kurnool district into two charges which effected closer and efficient supervision, and in the latter to the prompt steps taken by almost all Range officers in the issue of permits during the grazing season. The increase in the Central Circle was mainly due to the crediting to this head of a major portion of the compounding fees realized in *Cuddapah*, partly counterbalanced by a fall in *South Arcot* and *Chingleput* due to failure of rains. The increase in the Southern Circle was mainly in *Madura*, due to closer supervision on the part of the executive staff and more rigid enforcement of rules, whereby permits were taken out for a larger number of animals including goats.

(*b*) Agency of Exploitation.

(i) *Departmental Agency.*

35. Forms Nos. 55 and 56 show separately the different classes of produce collected and Form No. 57 indicates the stock disposed of and the balance on hand at the close of the year. Departmental operations were necessary for conducting improvement and systematic fellings as prescribed in working plans, for reducing unregulated fellings in reserves, for demarcation and fire-line clearings and for the supply of fuel, etc., to railways, to sale depots established in several important towns for the convenience of the public and to public departments. The total quantity of timber and fuel, the number of bamboos and the value of minor produce collected departmentally were, respectively, 43·47, 1·85 and 3·59 per cent. of their respective total outturn through all agencies and the total value of the disposals of the year was Rs. 7,06,986.

Transport was chiefly done by country carts, ponies, coolies, drag bullocks and buffaloes, donkeys, railways and boats. In *Godavari* and in Sríharikóta, *Nellore*, the wood felled was carried by mono-rail and tram respectively to canal boats. In *South Canara*, *South Coimbatore* and *South Malabar*, elephants were used for dragging timber. In forests around Mount Stuart in *South Coimbatore*, timber was trammed to the top of the ghat and then sent down by wire ropeway, but carts have to be used for the heavy logs.

Timber.—The quantity of timber exploited was 655,211 cubic feet or 335,017 cubic feet more than in the previous year, *i.e.*, a little more than double the quantity collected in the previous year. The increase occurred chiefly in *Cuddapah*, *North Salem*, *North Malabar*, *South Malabar* and *South Coimbatore* districts, in all of which departmental fellings were carried on, on a more extensive scale.

Fuel.—The amount of fuel removed departmentally was 9,794,023 cubic feet against 6,180,438 cubic feet in the previous year. The increase of 3,613,585 cubic feet was distributed over many districts. Supply to railways and extended sales at depots accounted for the increase in *Vizagapatam*, *Godavari*, *South Salem*, *South Canara* and *South Coimbatore* while the increase in *Kurnool East*, *South Malabar* and *Madura* was due solely to the supply to railways. In *Ganjám*, large quantities of diseased casuarina trees were removed from the plantations and the Mohiri coupes yielded an increased outturn. In *Bellary*, the coupes prescribed in the working-plans were fully worked and in *Anantapur*, fellings were undertaken in Kothakota compartment II and in Gudipalle aloe plantations. In *Cuddapah*, experimental fuel coupes were opened in several ranges and in *Nellore*, fellings were started for fuel depot in that town. The usual operations in Sríharikota progressed satisfactorily. In *North Arcot*, coupes were worked departmentally for want of contractors. In *the Nilgiris*, the greater outturn was due to working fully up to the prescriptions of working-plans.

Bamboos.—The number of bamboos extracted departmentally was 664,076 or 150,887 more than in the previous year. The increase occurred principally in *Ganjám*, and *Kurnool West* and was due to a large outturn from coupes in the former and to supply of bamboos departmentally in the latter district as the permit system was entirely abolished in the Nallamalais.

Minor produce.—The produce collected was 199,120 maunds (of 25 lbs.) or 94,357 maunds more than in the previous year, due chiefly to the inclusion under this head in *Godavari* of 95,200 maunds of thatching grass collected for buildings and sheds in that district.

Details regarding the supply of firewood and timber for agricultural implements to the rural population and to the ryots will be found in chapter V.

(ii) *By Purchasers.*

36. The pre-payment permit system is reported to have worked satisfactorily in the districts of *Kistna*, *Nellore*, *North* and *South Salem*, *Trichinopoly* and *South Coimbatore*. Other districts except *Guntur* and *North Coimbatore* do not complain about it. In the former district it is reported to have affected the grazing revenue ; while in the latter, the old system was reverted to in the previous year. Where possible the permit system is being replaced by located fellings in coupes worked through contractors or departmentally. About 75 per cent. of the permits issued were generally checked and recovered, but in some districts recovery is said to vary between 50 and 75 per cent.

The total value of sales was Rs. 7,60,723 from major produce including bamboos and Rs. 12,20,942 from minor produce, showing a decrease of Rs. 39,668 in the former and an increase of Rs. 64,533 in the latter over the preceding year's actuals The decrease under major produce was distributed over *South Salem*, *South Malabar*, *South Coimbatore*, *South Arcot* and *Trichinopoly*. In *South Salem*, the decrease was due to several causes, viz., non-issue of permits for classified and reserved timber from reserves, expansion of departmental supplies in depots, smaller collections of tree value from lands assigned on darkhast, absence of bids for bamboo blocks and crediting of a portion of the revenue from bamboos for the year under report in the previous year. In *South Malabar*, felling of timber by contractors was restricted, while in *South Coimbatore*, contracts for dead timber were discontinued. Departmental

fellings were undertaken on a large scale in *South Arcot* and *Trichinopoly* owing to want of bids from contractors, etc. The increase under minor produce arose chiefly in *Vizagapatam*, *Kurnool East and West*, *Cuddapah* and *Nellore*. The abnormal demand for gallnuts in *Vizagapatam* owing to the failure of that crop in Bombay accounted for the increase in that district, while in *Kurnool East* and *Cuddapah*, the increase was due to larger grazing fees collected. In *Kurnool West* better sales of tangedu (Cassia auriculata) bark and larger revenue from the tapping occasioned the increase. The resumption of work by leading mica miners of Nellore yielded an increased revenue in that district.

The sales of confiscated produce are entered in Form No. 72-B and show a decrease of Rs. 1,681 from the previous year's figure, owing chiefly to less revenue from driftwood leases and to the non-crediting of certain lease amounts before the close of the year in *Godavari*.

(iii) *Rights and Privileges.*

37. The following statement shows the estimated quantity and value of produce removed by right-holders :—

—	Timber.		Fuel.		Bamboos.		Minor produce.	Grazing.	Total value.
	Cubic feet.	Value.	Cubic feet.	Value.	Number.	Value.	Value.	Value.	
		RS.		RS.		RS.	RS.	RS.	RS.
Northern Circle	1,311	97	257,510	4,825	20,489	115	38,950	1,309	45,296
Central ,, ...	..	..	..	..	..	..	94	356	450
Southern ,, ...	119,400	46,320	67	1	1,150	12	808	..	47,141
Total ..	120,711	46,417	257,577	4,826	21,639	127	39,852	1,665	92,887

The value of produce removed under rights and privileges is estimated at Rs. 92,887 against Rs. 78,618 in the previous year. The increase was chiefly due to a larger quantity of produce removed by kumaki-holders in *South Canara* and to the removals being confined solely to timber of reserved species.

(iv) *Free Grants.*

38. The following abstract statement shows the quantity and value of produce removed by free-grantees :—

—	Timber.		Fuel.		Bamboos.		Minor produce.	Grazing.	Total value.
	Cubic feet.	Value.	Cubic feet.	Value.	Number.	Value.	Value.	Value.	
		RS.		RS.		RS.	RS.	RS.	RS.
Northern Circle	31,723	3,157	640	12	41,690	207	192	369	3,937
Central ,, ...	* 63,685	12,931	400	25	* 237,818	2,895	675	861	17,387
Southern ,, ...	4,755	708	1,893	91	7,365	71	55	..	925
Total ..	100,163	16,796	2,933	128	286,873	3,173	922	1,230	22,249

* This includes produce collected departmentally for free grants in North Salem.

The estimated total value of the free grants was Rs. 22,249 against Rs. 16,053 of the previous year. The increase is chiefly due to the distribution of large quantities of timber and bamboos collected and stored by the department at the Vániyambádi depot, *North Salem*, to the people who lost their houses during the floods of 1903–1904. No grants were made in *Vizagapatam*, *North Malabar* and *Madura*. In most of the districts free grants were made to poor ryots for rebuilding houses or huts destroyed by fire. Besides these, free grants were made in *Bellary* to poor people for the construction of temporary sheds outside towns and villages during plague. In *Chingleput*, grants were made for water-baling purposes to poor ryots owing to the bad season. In *North Arcot*, the grants made in the previous year to ryots who lost their houses during the floods were brought into the accounts only in the year under report. In *South Malabar*, 266 teak poles valued at Rs. 621 were cut and transported at the cost of the Forest Department and handed over to the Telegraph Department as a contribution towards the extension of the telegraph line from Manjeri to Nilambur.

(c) Outturn and Sources of Forest Produce.

39. The following abstract shows the total outturn of timber and other produce collected during the year under report and the previous year from reserved forests and from reserved and unreserved lands.

(*Forms Nos.* 55, 56 *and* 72 *b.*)

Agency of exploitation.	Timber in cubic feet including sandalwood.		Fuel in cubic feet.		Bamboos in numbers.		Minor produce (inclusive of grass and grazing) (gross value in rupees).	
	1903–1904.	1904–1905.	1903–1904.	1904–1905.	1903–1904.	1904–1905.	1903–1904.	1904–1905.
1	2	3	4	5	6	7	8	9
By Government agency ..	320,194	655,211	6,180,438	9,794,023	513,189	664,076	59,292	47,216
By purchasers (including confiscation)	2,516,686	2,262,115	10,975,371	10,849,284	36,249,093	34,950,299	1,157,981	1,222,429
By right-holders	77,321	120,711	258,131	257,577	29,912	21,639	43,505	41,517
By free grants	67,679	90,463	8,801	2,933	233,360	190,873	5,886	2,152
Total ..	2,981,880	3,128,500	17,422,741	20,903,817	37,025,554	35,826,887	12,66,664	1,313,314

The results show an increase under *Timber*, *Fuel* and *Minor Produce* and a decrease under *Bamboos*. These variations have already been explained.

The rates of grazing fees levied in the several districts are shown in Form No. 53. The number of animals licensed to graze on payment was 3,285,579 as compared with 3,320,495 in the previous year.

CHAPTER III.—FINANCIAL RESULTS.

40. The financial results for the Presidency compared with those of the previous year and with the average of the five years preceding show a net decrease of Rs. 1,52,084 and a net increase of Rs. 79,943, respectively.

—	Years.					Average per year.	1903–1904.	1904–1905.
	1898–99.	1899–1900.	1900–1901.	1901–1902.	1902–1903.			
Revenue.	RS.	RS.	RS.	RS.	RS.	RS.	RS.	RS.
Northern Circle	6,14,046	7,13,954	7,79,146	8,86,581	8,64,915	7,71,728	8,94,216	9,61,129
Central „	8,73,772	9,63,093	9,34,847	10,22,586	10,17,632	9,62,386	10,01,313	10,62,715
Southern „	5,87,436	6,36,460	7,29,780	5,87,327	7,10,232	6,50,247	7,95,042	8,06,698
Total ..	20,75,254	23,13,507	24,43,773	24,96,494	25,92,779	23,84,361	26,90,571	28,30,542
Expenditure "A. Conservancy and Works".								
Northern Circle	1,98,750	2,29,397	2,13,108	2,31,660	2,55,084	2,25,600	2,91,822	3,85,279
Central „	2,48,912	2,85,449	2,76,620	3,20,428	2,92,415	2,84,765	2,56,418	3,10,950
Southern „	3,20,139	3,17,555	3,86,322	3,35,137	4,24,886	3,56,807	3,89,481	4,81,924
Total ..	7,67,801	8,32,401	8,76,050	8,87,225	9,72,385	8,67,172	9,37,721	11,78,153
Expenditure "B. Establishments".								
Northern Circle	2,59,525	2,65,661	2,57,146	2,58,497	2,59,801	2,60,125	2,80,763	2,93,777
Central „	2,81,023	2,94,553	3,14,479	3,10,844	3,10,342	3,02,248	2,94,846	3,04,821
Southern „	2,83,800	2,95,581	2,90,515	2,89,555	2,84,027	2,88,696	2,79,095	3,07,729
Total ..	8,24,348	8,55,795	8,62,140	8,58,896	8,54,170	8,51,069	8,54,704	9,06,327
Total of A. and B.								
Northern Circle	4,58,275	4,95,058	4,70,254	4,90,157	5,14,885	4,85,726	5,72,585	6,79,056
Central „	5,29,935	5,80,002	5,91,099	6,31,272	6,02,757	5,87,013	5,51,264	6,15,771
Southern „	6,03,939	6,13,136	6,76,837	6,24,692	7,08,913	6,45,503	6,68,576	7,89,653
Total ..	15,92,149	16,88,196	17,38,190	17,46,121	18,26,555	17,18,242	17,92,425	20,84,480
Net results.								
Northern Circle	+ 1,55,771	+ 2,18,896	+ 3,08,892	+ 3,96,424	+ 3,50,030	+ 2,86,003	+ 3,21,631	+ 2,82,073
Central „	+ 3,43,837	+ 3,83,091	+ 3,43,748	+ 3,91,314	+ 4,14,875	+ 3,75,373	+ 4,50,049	+ 4,46,944
Southern „	− 16,503	+ 23,324	+ 52,943	− 37,365	+ 1,319	+ 4,743	+ 1,26,466	+ 17,045
Total ..	+4,83,105	+ 6,25,311	+ 7,05,583	+ 7,50,373	+ 7,66,224	+ 6,66,119	+ 8,98,146	+ 7,46,062

The gross receipts were Rs. 1,39,971 more than in the previous year and the total expenditure was greater by Rs. 2,92,055. The net results show a surplus of Rs. 7,46,062. In the Southern Circle, the surplus fell from Rs. 1,26,466 to Rs. 17,045. The fall in the Central Circle was small, while that in the Northern Circle amounted to Rs. 39,558. The total receipts for the year rose by 5·20 per cent. and the total charges by 16·29 per cent. Of the expenditure, about 43 per cent. was devoted to the upkeep and improvement of the forests, and 57 per cent. to exploitation, etc. Departmental working yielded a profit of 9 per cent. against 23 per cent. in the previous year. This small profit is mainly due to the accumulation of a large stock of timber exploited in the districts of *North* and *South Malabar*, and *South Coimbatore* in accordance with provisions of the working plans, but for which sale could not be obtained during the year under report. The bulk will doubtless be sold during the current year. As will be observed from Form No. 58, the value of timber and other produce at sale depots at the close of the year was Rs. 2,67,758 more than what it was at the close of the previous year. If the value of this stock be taken into account, the profit of the departmental operations would amount to a percentage of 34. The outstanding revenue at the beginning of the year was Rs. 1,80,707 (1,82,307 *minus* Rs. 1,600 on account of remissions) and the value of sales, etc., during the year amounted to Rs. 28,16,862. Out of the total of Rs. 29,97,569, Rs. 28,30,542 were collected, and Rs. 1,077 written off, leaving an outstanding balance of Rs. 1,65,950 at the close of the year. The variations under the several budget heads of revenue and expenditure during the two years 1903–1904 and 1904–1905 are explained below:—

RECEIPTS.

(i) *By Departmental Agency.*

Timber + *Rs.* 52,137.—Due mainly to larger sales in *Cuddapah* of building materials and red wood logs and to sales of large quantities of timber felled from the Muriam forests in *South Malabar*, as well as to better prices realized from the plantation teak logs in the same district.

Fuel + *Rs.* 61,069.—Due to increased sales in depots in *South Salem* and *Trichinopoly* and to the supply of fuel to the Madras Railway in the former and to the Municipal water-works in the latter district; to a larger supply of fuel to the Madras Railway and Jail department from *South Coimbatore* and to the public of Coimbatore town and to increased supply to the South Indian Railway in *Madura*.

Bamboos + *Rs.* 1,191.—Due mainly to larger sales in *Ganjám*.

Sandalwood — *Rs.* 39,607.—Occurred mainly in *North Coimbatore* due to part of the revenue from sandalwood extracted in 1902–1903 having been credited to 1903–1904 and to the fact that the value of the sales of sandalwood of the year under report not having been credited before the close of the year.

Minor produce — *Rs.* 4,225.—Due mainly to the fall in the price of gall-nuts in *North Coimbatore*.

(ii) *By Purchasers.*

Timber — *Rs.* 12,580.—Due partly to non-issue of permits for classified and reserved timber from reserves in *South Salem,* to expansion of departmental supplies from depots and partly to the decrease in the collection of tree value on darkhast lands on account of drought in the same division; to absence of contracts for felling and removing timber in Pollachi range and in Sankarayapuram and Walayar reserves of Bolampatty range as in the preceding year in *South Coimbatore*; to the stoppage in *South Malabar* of the system of allowing contractors to remove a large quantity of dead and wind blown trees and other junglewood trees of inferior species as in previous years. These decreases were partly counterbalanced by an increase chiefly in *Ganjám*, due to the sale of a large quantity of timber from darkhast lands and to the removal of dead sál, etc., under contract from reserves and from coupe fellings.

Fuel — *Rs.* 12,551.—Due mainly to the working of several coupes departmentally in *Trichinopoly* and *Madura*.

Bamboos + *Rs.* 21,901.—Increase mainly due to large demand for bamboos on account of sugarcane crops in *Gódávari*.

Grazing and Fodder grass + *Rs.* 20,074.—Increase due mainly to the crediting to this head of the major portion of the compounding fees realized in *Cuddapah* instead of V (*b*) fines as in the previous year.

Other produce + *Rs.* 56,779.—The increase is mainly due to brisk demand for gallnuts in *Vizagapatam* where the revenue realized from the produce was almost double that of the previous year; to large export of tamarind and other minor products from the Agency tracts of Rampa and Yellavaram divisions, *Gódávari*; to better sales of tangedu bark and more revenue from tree tapping in *Kurnool West*, and to the recommencement of work by some of the leading mica mine owners in *Nellore*.

(iii) *Miscellaneous (including confiscated drift and waif wood).*

Revenue — *Rs.* 4,217.—Mainly due to the crediting of compounding fees to II (*d*) instead of to this head as previously in *Cuddapah* and to no elephants in *North* and *South Malabar* having been sold as in the previous year. The decrease was partly counterbalanced by increase chiefly in *South Coimbatore*, due to the realization of the arrears of rent of the coffee estates on the Anamalais.

EXPENDITURE.

A. Conservancy and Works.

The total expenditure exceeds that of the previous year by Rs. 2,40,432 due to the following causes—(1) To more extended fellings carried on under "timber" chiefly in *Cuddapah*, *North Malabar*, *South Malabar* and *South Coimbatore* and under "fuel" in *Kurnool East*, *North Arcot*, *South Salem*, *South Coimbatore*, *Madura* and *South Canara*; (2) to the bringing in of a larger quantity of fuel to the fuel depots of *Trichinopoly* and to the expenditure incurred to meet the cost of supplying fuel to the Municipal water-works in that district; (3) to the purchase, feed and keep of bulls and to the feed and keep of a larger number of newly-captured elephants in *South Coimbatore*; (4) to the increase in cost incurred on account of Survey of India charges in the *Northern* and *Southern Circles*; and (5) to a more extended scale of fire protection operations in *Gódávari* and *Kurnool East*.

B. Establishments.

The cost increased by Rs. 51,623 due mainly to (1) absence on furlough of a fewer number of officers than in the previous year; (2) the promotion of Rangers and Extra Assistant Conservators to higher grades; (3) the opening of a Forest Training school at Coimbatore on account of which an initial expenditure had to be incurred in addition to the employment of temporary men as substitutes; (4) the formation of additional forest divisions in the Northern Circle and the creation in that connection of an additional appointment in the Extra Assistant Conservator's class; and (5) the increments given to members of the office establishments.

Revenue.—*Gódávari*, *Cuddapah* and *Nellore* head the list, each contributing about 12 per cent. of the net surplus. *South Arcot* and *Madura* stand next with 9 per cent., respectively, followed by *North Arcot* and *Tinnevelly* each yielding 8 per cent., while *North Salem*, *South Salem* and *Kurnool West* contribute about 7 per cent. per district.

CHAPTER IV.—ADMINISTRATION.

41. During the year the *Kurnool* district was divided into two forest districts, *i.e.*, *Kurnool East* and *West*, and the *Gódávari* and *Kistna districts* into three, *viz.*, *Gódávari*, *Kistna* and *Guntúr*.

CONDUCT OF ESTABLISHMENT.

42. (i) *Executive staff—Northern Circle.*—In *Ganjám*, a Ranger was reduced from II to III grade for incompetency and was temporarily reduced, since the close of the year, to the VI grade. In *Gódávari* the work of three Rangers was unsatisfactory and one Deputy Ranger was suspended and another reduced to the Forester's grade. In *Guntúr*, a first grade Ranger was temporarily reduced for six months to second grade for repeated neglect of duty and impertinence, in addition to one day's suspension for leaving his charge without permission, and the acting promotion of a Deputy Ranger to the last grade of Rangers was cancelled for continued neglect and bad protection of reserves. In *Kurnool East*, a Deputy Ranger in charge of a range absconded, embezzling a large amount of Government money.

Central Circle.—In *Nellore*, charges of suspected absence without leave against a Ranger and of misappropriation of forest produce and absence without leave against a Deputy Ranger were under enquiry; the latter is under suspension. A probationary Ranger in *North Arcot* and a permanent one in *Tanjore* were temporarily reduced for disobedience of orders and neglect of duty. In *Trichinopoly*, a Ranger was under suspension during the year for connivance at illicit fellings and was dismissed after its close. In *Cuddapah*, *South Arcot* and *South Salem*, the conduct of the staff in a few cases was unsatisfactory.

Southern Circle.—In *South Canara*, two Rangers had to be punished and repeatedly warned for bad work. An acting Ranger was reduced for incompetency and a Deputy Ranger dismissed from service for certain irregularities. In *North Malabar*, a Ranger was reduced for slackness. In *North Coimbatore* a Ranger was reduced and a Deputy Ranger was suspended for gross disobedience of orders and neglect of duty. The conduct and work of the establishment in *Tinnevelly* was rather unsatisfactory.

43. (ii) *Protective staff.*—The conduct of the protective staff continued unsatisfactory, though some improvement was observed in certain districts. There was the usual number of suspensions, reductions, dismissals, criminal prosecutions and convictions among the protective staff for various irregularities. A Forester in *Guntúr* was prosecuted for concocting false charges, while a forest guard in *Kurnool East* was sentenced to 6 months' imprisonment for embezzlement of compounding fees. In *North Salem*, a tannahdar was convicted for illicit felling of trees for his own use and a depot keeper who misappropriated Rs. 185 has absconded and is evading arrest. In *South Canara*, two guards were convicted of theft and one for conniving at certain illicit fellings.

44. (iii) *Ministerial Establishment.*—The conduct of the ministerial establishment continued on the whole to be satisfactory. In *Gódávari*, a Range clerk was dismissed from service for disobedience of orders. In *North Salem*, certain charges were framed against the Head Clerk for impertinence, disobedience and perversion of the truth and are under enquiry. The conduct and work of the establishment in *North Malabar* were unsatisfactory owing to their incompetency. In *Tinnevelly*, the Head Clerk was got rid of for inefficiency and general neglect of duty.

45. *Health of the establishment.*—The health of the establishment was fair in all districts except *Vizagapatam*, *Gódávari*, *Kurnool East* and *West*, *South Canara*, *North* and *South Malabar* and *Nilgiris*. In *Gódávari*, the unhealthiest part was the subdivision. The Sríharikóta and parts of the coast ranges in *Nellore*, the Javadis in *North Arcot*, the Pachamalais in *Trichinopoly*, and Mudumalais and Sígúr Ranges in the *Nilgiris* continued as usual to be unhealthy.

46. *Relations between Revenue and Forest officials.*—No cases of friction between the Revenue and Forest officials were brought to notice during the year. The Board's instructions regarding conferences of these officers during Jamabandi were generally attended to. In *South Malabar*, the special Assistant Collector accompanied the District Forest Officer in the Silent Valley in his tour of inspection for Settlement purposes. In *Guntúr*, the question of opening closed areas to grazing was discussed and decided to be unnecessary. In *Kurnool East*, the proximity of a forest reserve to a village was the subject of a complaint and it was being enquired into. In *North Salem*, three complaints were received, one from the ryots of Pennagaram praying for

permission to graze cattle throughout the taluk on a single permit, another against impounding of cattle grazing in an excluded portion of a reserved land and the third for a right of way. Favourable orders were passed on the two latter, while as regards the first it was under consideration to recast the working circles to afford greater facilities for grazing.

47. *Service books.*—These are reported to have been maintained and verified in all the districts. The books were verified up to the close of the official year in some districts and up to the close of the forest year in others. Three service-books remained to be opened in South Arcot.

48. *Tours of the Forest Member.*—The Hon'ble Mr. C. J. Weir was Forest Member of the Board up to 13th April 1905, and the Hon'ble Mr. H. A. Sim, C.I.E., during the remaining portion of the year. The former visited the districts of *Cuddapah, Bellary, Kurnool, Coimbatore* and *Madura*, and also proceeded to Kolar in connection with the proposed supply of timber to the mines.

49. *Conservators' inspections.*—The Conservators of Forests visited all the districts except *Vizagapatam* and inspected all the District Forest Offices in their respective circles except *Gódávari.*

50. *Touring of District Forest Officers.*—More than six months were spent in camp by all the District Forest Officers except the District Forest Officer of the *Nilgiris*, to whom the six months' minimum prescribed does not apply.

51. *Inspection of Range offices by District Forest Officers.*—The Range offices in all the districts were inspected twice except in the case of *Vizagapatam, Gódávari, Guntúr, Kurnool East and West, Cuddapah, Nellore, North Arcot, North Salem, South Salem, North* and *South Malabar*, the *Nilgiris*, and *North Coimbatore*, where some were inspected only once. A Range office in *South Arcot* was inspected thrice, while the Kollegal Range office in *North Coimbatore* was not inspected during the year owing to changes of officers.

52. *Audit of accounts of the District Forest Offices.*—The accounts of all the District Forest offices except *Ganjám, Kurnool East*, and *Nellore*, were audited by the Local Fund Inspecting staff of the Accountant-General's office and the results reported were satisfactory. The accounts of *Kurnool East* were not inspected as the division was newly constituted at the beginning of the year. *Godávari, Cuddapah, Tanjore, Trichinopoly, Nilgiris* and *North Coimbatore* were audited twice during the year. The Assistant Accountant-General re-inspected the accounts of *Nellore* for 1902–1903, and the Inspector of Local Fund Accounts those of Trichinopoly for 1903–1904.

53. *Forest school, Dehra Dun.*—Two stipendiary students from the *Central* and one Deputy Ranger from the *Southern Circle* were deputed to the school. Three Deputy Rangers and one stipendiary student returned from it to the *Central Circle* and one Deputy Ranger to the *Southern Circle*, all having obtained the Ranger's certificate except one Deputy Ranger in the Central Circle.

54. *Forest schoool at Coimbatore.*—A school for training Deputy Rangers and Foresters was opened from 1st April 1905. The school is also open to selected private students at their own expense. The course is confined to elementary subjects connected with forestry and extends to six months. Nineteen Government and thirteen private students were under training during the first term, of which fifteen secured a pass.

Work and Services of Superior Officers.

55. *Northern Circle.*—Mr. A. W. Lushington, the Acting Conservator of Forests writes as follows :—

"The work of all the Divisional-officers has been very good. Mr. Wood in *West Kurnool* deserves exceptional mention for the excellent arrangements he made towards putting a stop to the permit system and towards the utilization of the Chentsus."

"Of the Extra Assistant Conservators, Messrs. Rego, Ananda Rao and Thompson have very good service."

Central Circle.—The following is an extract from the Collector's remarks in district reports:—

Cuddapah.—"I am well pleased with Mr. C. M. Hodgson's work."

Nellore.—"I have no special remarks to offer. The results of the year's working are creditable to the District Forest Officer (Mr. Murray) having regard especially to the singularly unfortunate season there has been in the district."

Chingleput.—"I fully endorse Mr. Dance's good opinion regarding Mr. Woutersz's work in the district as District Forest Officer."

North Arcot.—"Mr. J. S. Battie was in charge throughout the year, I have nothing to add to my opinion recorded last year."

"Mr. Barry takes an interest in his work and is a hard-working and conscientious officer."

"Syed Burhanuddin Sahib continued to do excellent work."

South Arcot.—"Mr. Peake continued to display most commendable zeal in the discharge of his duties."

North Salem.—"The work of Mr. Rama Rao and Mr. Bapu Rao who were in charge during the year has been satisfactory."

South Salem.—"Mr. Bapu Rao in charge, July to November. He was new and inexperienced for so important a charge, but got on fairly well."

"Mr. Lodge in charge, December to June. His work was as usual satisfactory."

"Mr. Rigold has been working satisfactorily."

Trichinopoly.—"The Collector writes regarding the District Forest Officer, Mr. Nallaswami Nayudu."

"* * * I can fully endorse the laudatory remarks passed by my predecessor in the two last administration reports and I find that in the District Forest Officer's diary for week ending 10th December 1904, Mr. Thompson who acted as Collector from September to December bore glowing testimony both to the excellence of Mr. Nallaswami Nayudu's work and to the improvement in Forest conservancy during his tenure of office."

Southern Circle.—Mr. H. A. Gass, the Conservator of Forests, writes as follows:—

"Mr. P. M. Lushington has held charge of both *North and South Malabar* for some months and has worked zealously and well. He also prepared the revision of the Nilambur working plans in a very creditable manner."

"Mr. H. A. Latham has worked hard. Work stagnates at times in his division, but this is due to the shortcomings of his subordinates."

"Mr. Jackson has carried on the work of the *Nilgiris* satisfactorily."

"Mr. A. W. Lushington was for a short time in charge of *North Coimbatore* and displayed great energy, having spent practically the whole of the time in camp."

"Mr. Fischer was in charge of *North Coimbatore* for three months. He has a good knowledge of Botany and takes much interest in Entomology and his work will be of much value to the Circle."

"Mr. Thornton was in charge of *South Coimbatore* for 6 months. The division was altogether too much for him. He requires a lighter charge."

"Mr. Scot was also in charge of *South Coimbatore* for about six months. I regard him as a shrewd excellent officer and well suited to this heavy charge."

"Mr. Bryant has as usual worked hard and well and the revenue is steadily increasing in his charge."

"Mr. Richmond is a good officer highly spoken of by all. He is an officer of much promise."

"Mr. Arbuthnot has been for the past six or seven months doing duty as Special Working Plans Officer. He has stuck to his work zealously and I look for good results."

"Mr. Seaton-Winton was reported upon specially at the end of June. I have nothing to add to that report."

"The same remark applies to Extra Assistant Conservators Messrs. Hearsey, Daly, H. O'Neill, VanHaeften and Gurunatha Pillai."

Mr. H. J. A. Porter, Deputy Conservator of Forests, retired from service during the year.

CHAPTER V.—GENERAL.

56. *Realization of revenue from the usufruct of toddy-yielding trees on Government wastes and poramboke lands.*—The revenue realised under this head from *Ganjám*, *Vizagapatam*, *Trichinopoly*, *South Malabar* and *South Coimbatore*, was very small. In *Gódávari*, it continued to decrease there being a fall of Rs. 1,410 due to the transfer of a portion of the district to *Kistna*, while in *Bellary*, *Anantapur*, *Nellore*, *North Arcot* and *Tinnevelly* there was a noticeable increase. In *Bellary*, the increase is due to a larger number of trees applied for in reserved forests, and in *North Arcot*, to contractors becoming better acquainted with the fixed fee system. The rate charged in *Nellore* for palmyra and date trees was the same as in the preceding year, viz., one anna per tree and the collection showed an increase of 25 per cent. In *Tinnevelly*, the increase was due to better prices obtained at auction. In *Cuddapah*, the revenue under the head was realized almost entirely from trees on unreserved lands, very few applications for trees in reserves having been made. In *South Arcot*, an amount of Rs. 2,031 was realized as tree-owners' fees against Rs. 2,104 in the previous year; the decision to exclude the right of tapping from forest leases is being given effect to in the leases for 1905–1906. In *North* and *South Salem*, the usufruct of the trees not taken up under the fixed fee system was leased out as usual subject to the condition that the lessees should not interfere with the usual privileges of the people. The revenue from both the divisions was less compared with that of the previous year. In *South Coimbatore*, there are practically no toddy-yielding trees in the reserved forests, all toddy being obtained from cocoanut trees in private topes.

57. *Measures adopted to encourage the growth of manure leaf yielding trees and shrubs.*—In the *Northern Circle*, no steps were taken in this direction except in *Guntúr* there being no demand for leaf manure in some districts while in others, where a demand exists, an adequate supply is obtained outside the reserves. In *Guntúr*, a few acres were planted with Kanuga (*Pongamia glabaa*), in Bápatla range; but it is not likely that such manure leaves will ever be used in that part of the district until wet cultivation in the upland taluks increases and the excessive number of cattle in the district decreases. In *Kurnool East* no artificial measures were undertaken but arrangements were made to transport green manure leaves from the Nallamalais for sale to the ryots at cost price. There was, however, no demand for it on account of drought. In *Kurnool West*, arrangements were being made to cart manure leaves from the Nallamalais to Nandyal town for sale by auction and to sow Kanuga (*Pongamia glabra*) seeds along the banks of streams, etc., in the Nallamalais.

In the *Central Circle*, in *Cuddapah* and *Nellore*, and in portions of *North Arcot* and *North Salem*, the supply of manure leaves was adequate and even exceeded the demand, consequently no special measures to increase the supply were undertaken. In *Chingleput*, *Trichinopoly*, *Tanjore* and *North Arcot* cultural operations were undertaken with unsatisfactory results however owing to want of seasonable rains. In *South Arcot*, permits were issued as in previous year but the demand decreased owing to the unfavourable season. The supply in the vicinity of the Barur project in Krishnagiri, *North Salem*, falls short of the demand. It is therefore proposed to carry out cultural operations in two plots of ground selected in this locality at the next favourable rains. In *South Salem*, provision has been made in the working plan of the *Atur* taluk for special cultural operations and for regulating the heavy supply of manure leaves from this taluk to *Trichinopoly*.

In the *Southern Circle*, no action is called for in any of the districts except *Madura* and *Tinnevelly*. Experiments made in Udamalpet range, *South Coimbatore*, were discontinued as they were unsuccessful. In *Madura*, 65 acres in 2 out of the 15 blocks of unreserved lands selected in the previous year were sown with seeds of *Acacia auriculata*, *Tephrosia purpurea* and *Dodonæa viscosa*, and the seedlings were thriving over three-fourths of the area though owing to scanty rainfall, the growth was not as good as might otherwise have been expected. In *Tinnevelly*, attempts to grow *Tephrosia purpurea* in reserves proved a failure.

58. *Rules under the Forest Act.*—Timber transit rules were sanctioned during the year for *Madura* and those already sanctioned for *Kistna*, *Guntúr*, *Kurnool*, *Cuddapah*, *South Canara*, *Salem*, *North* and *South Coimbatore* are reported to have worked satisfactorily and no hardship or complaint against the working was brought to notice.

In *Ganjám*, the extension of the rules now in force in Gumsur to the Berhampur taluk seems to be necessary to check the systematic smuggling from the Mohiri Hills. In *Guntúr*, the rules require still to be rigorously enforced. In *Kurnool East* and *West*, there is still some tendency to bring timber on permits in a form other than that prescribed in the rules from Shrotriemdars' forests and private lands and such cases are dealt with leniently without hardship to the importers. The transit rules in *Gódávari* require revision and the matter is under correspondence with the Board. The rules in force in *North Malabar* were fully extended to *South Malabar* during the year and the establishment of the required tannahs was under consideration. The proposed transit rules in *North Arcot* were still under revision.

59. *Rules under section* 26 *of the Forest Act.*—The privileges allowed by these rules were generally availed of by the public and no complaints or abuses were brought to notice except in *Vizagapatam*, *Gódávari*, *Kurnool East*, *North Arcot*, *South Salem*, *North and South Coimbatore*. In *Vizagapatam*, as mentioned in the report for the preceding year, difficulty was experienced in checking removals of fuel from unreserved lands for sugarcane boiling and the question was under consideration. In *Gódávari*, the rules for the management of reserved and unreserved lands in the Bhadráchalam taluk were revised and the privileges of the villagers of Arkur in the same taluk were suspended for one year for refusing to render assistance in suppressing a fire that broke out in the Repak reserve. In *Kurnool East*, three complaints of illicit fellings in unreserves were brought to notice and the delinquents were punished. In *North Arcot*, the poorer classes abused the concession by cutting fuel for sale to the public and steps have been taken to check the abuse. In *South Salem*, 183 cases of unauthorised fellings from unreserved lands came to notice and were generally compounded at low rates. In *North Coimbatore*, the privileges under this section do not seem to be thoroughly understood and it is therefore proposed to publish the rules separately in the vernacular for distribution and sale at a nominal price. In *South Coimbatore*, a good many cases of unauthorised fellings of trees in unreserves were brought to light and they were generally dealt with through the agency of Revenue officials. The removal of fuel for sale from unreserved lands adjoining *Nellore* town under cover of the privileges granted under the rules referred to in the previous year's report ended in the suspension of the village munsif. In *North* and *South Malabar*, the rules under the section are of very little importance owing to the small area of unreserved lands. In *North Malabar*, the question of restricting *Ponam* cultivation was under consideration, as such cultivation leads to the destruction of valuable tree growth. Irumbagam (*Hopea parviflora*) trees worth several thousands of rupees are reported to have been cut on the banks of rivers. The question whether such trees belong to Government or the adjoining landholders was at issue.

60. *Inventory of valuable stock.*—The stock registers are reported to have been maintained and verified in all the districts except *North* and *South Malabar* where their revision was being attended to. Form No. 64 shows the value of the stock in the several districts.

61. *Rain-gauges.*—Readings were properly recorded in all the districts in which rain-gauges are set up except in *South Arcot* and *South Salem*; in these two districts the failure is attributed to the ignorance or negligence of the officers in charge. In *Guntúr* and *North Malabar*, the recording of accurate readings is doubted and this work in *South Canara* continues to be irregular. In *Cuddapah*, the rain-gauge at Rollabodu was smashed by thieves and some of the Pullampet readings were lost in the Range office. In *North Arcot*, further improvement is shown in recording the reading and a new station was opened at Paradarami.

62. *Supply of forest produce to meet the wants of the people.*—In *Vizagapatam*, *Gódávari*, *Kurnool East*, *Bellary*, *Cuddapah*, *Nellore*, *North Arcot*, *North* and *South Salem*, *Trichinopoly*, *Tanjore*, and *North* and *South Coimbatore*, the wants of the people are met with by issue of permits from stations located at convenient centres. In *Ganjám*, about 1,500 sal ploughs were sold departmentally at very low rates, theft still continued, however, as the ryots would not walk a few miles to the depot to buy them and prefer stealing from the adjoining forest. There was a loss of 40 per cent. of

ploughs in the depot as the fashioned ones split if not used at once. The experiment of burying them will be tried. In *Kistna*, owing to the introduction of the system of located fellings the yield of timber from the coupes did not fully meet building and agricultural demands; it was therefore necessary to cut timber departmentally from the interior parts for supply to ryots. In *Guntúr*, babulwood was supplied for agricultural implements at the town sale depot. Elsewhere the efforts to supply timber departmentally failed owing to the malpractices of Range officers. In *Kurnool East*, permits were availed of more largely by traders than by the ryot population. Depots were also opened in different places to sell firewood, timber, etc., required by the public. In that district *and in Kurnool West*, agricultural implements were manufactured and distributed to the several depots for sale to the public. In the latter district depot was also started at Dhone and some more were under contemplation. In *Bellary*, 11 additional permit-issuing officers were appointed during the year at convenient centres. In *Cuddapah*, much was done in the direction of opening depots in different places to sell firewood, timber, etc., required by the public and by issuing permits from stations located at convenient centres. In *Chingleput*, of the 49 forest coupes opened in different places for sale of fuel to the public only 29 found purchasers. In the rest the public partially availed themselves of the privilege of removals by the permit system. Arrangement is being made to open a depot at St. Thomas' Mount. In *North Arcot*, two depots, one at Ranipet and the other at Gudiyáttam were closed during the year for want of demand and arrangements were made in Palmanér to supply the people with fuel, small timber and bamboos for *boná fide* domestic use at cost price. In *South Arcot*, the arrangements made in previous years continued. In *North Salem*, agricultural implements and small timber and bamboos were largely extracted departmentally and sold to the public at a nominal profit. In *Trichinopoly*, two depots were opened in the Kasba town for sale of timber and fuel. A portion of the Baindur reserve in *South Canara* was as usual thrown open for the collection of dry firewood, manure leaves and grass in head loads free of charge and small timber fit for building purposes extracted from fuel coupes in Coondapur range were sold to the inhabitants at low rates. In *North* and *South Malabar*, the local demand was met from private forests but the fuel depot opened at the Palghat Range office compound in *South Malabar* as a trial was found to be unsuccessful. In *the Nilgiris*, the Baduga gets his annual supply of firewood at Re. 1 per each household and the Chetties of Wynaad are allowed wood required for agricultural implements free. In *South Coimbatore*, the departmental supply of implements and other articles required for agricultural or domestic use was initiated during the year and three sale depots are located in Coimbatore town. The sanctioned working plans in *Madura* provide for the requirements of the public and coupes were also opened in the neighbourhood of villages. A depot in *Madura* was opened from June 1905 for the consumption of the town where firewood is being sold at a reasonable rate. For the Kodaikánal settlement, another depot is being maintained by departmental working of a plantation, and for meeting the wants of the Periyakulam town, experimental coupes were worked in the vicinity.

63. *Cultivation in reserved forests.*—In *South Salem*, owing to the fall in the price of coffee, two of the coffee lessees who took leases on the Shevaroys about ten years ago, applied for remission of the annual rent for five years during which they proposed to introduce rubber and tree cotton. The Government sanctioned a remission of rent for three years on such areas as were cleared and planted with the new species. A rent of Rs. 100–12–10 due by a planter remained in arrear at the end of the year. Of the 20 estates leased for coffee cultivation on the Anamalais, *South Coimbatore*, 12 were under cultivation with coffee, cardamoms and cinchona. The proposal to resume six of the remaining eight estates is before the Board.

64. *Suits.*—In *Gódávari*, the claimants in Coringa extension suit referred to in the last year's report preferred second appeals in the High Court and they are pending disposal. In *Nellore*, an appeal to the High Court by the Rajah of Venkatagiri against the Government in the Veligonda boundary dispute and a suit for recovery of certain lands included in South Mopur reserve in the District Munsif's Court at Nellore were pending. In *North Salem*, two appeals against certain decisions of the Forest Settlement officer were pending before the District Judge. The claim to the Jarugumalai hills, *South Salem*, which was pending before the Special Survey officer

was decided in favour of Government. The second appeal in *Trichinopoly* in the case of Mogavanur block referred to in the two previous reports was still pending. The Forest appeals of *South Canara* pending in the High Court at the close of the previous year were disposed of, three in favour of Government, one in favour of the appellant, and the remaining one was sent to the District Court for taking further evidence on certain points. The civil suit concerning the ownership of Tanikuzli hill filed by Olappa Manna Mana Nambudripad, which was pending in the Sub-Court, Palghat, *South Malabar*, was dismissed, but the same hill was wrongly given delivery to one Kuthiravattath Nair by a court amin in executing a decree of the High Court. The petition put in by Government for the redelivery of the hill in question was dismissed by the Sub-Judge, Calicut. This order has been appealed against

Of the four suits pending at the beginning of the year in *Tinnevelly*, two were disposed of, one in favour of Government in connection with a suit brought by the Hakdar of Kattalaimalai to set aside the acquisition of a road through the estate, and the other, a claim to land in the Srívilliputtúr reserved forest, against it. The remaining two were pending.

65. *Elephants.*—The elephant in *Vizagapatam* and *Gódávari* enjoyed good health throughout the year, but that in the latter has a callous swelling on the fore-leg, which being superficial, causes no inconvenience. In *Kurnool West* the elephant Byragi Pyari continued to be in the charge of the District Forest officer. Two of the three elephants in *South Canara* were inspected by the Inspector of Government Elephants; they are reported to be in good condition. Out of seven elephants including one calf in the *Nilgiris*, one died of old age. Elephant-capturing operations were carried out in *North* and *South Malabar* and *South Coimbatore* and the number of elephants captured was six, one and eight, respectively. In *North Malabar*, the outbreak of anthrax much disturbed the operations where two tame elephants succumbed to this disease while seven were transferred temporarily to the South Division. One animal gave birth to a male calf. During the year the condition of the working elephants in *South Coimbatore* was very bad, many suffering from deep abscesses. Four elephants including one captured during the year died and one broke its leg and had to be shot. In March, an officer of the Veterinary Department was appointed as Inspector and under his treatment there has been much improvement. Two calf elephants captured during the year were sold for Rs. 1,780. The number of animals in charge of the department at the close of the year was 70 against 65 of the previous year.

66. *The sawmill at Mount Stuart.*—Work was started only in August and had to be stopped in December owing to shortage of water and all orders on hand had to be carried out by hand-sawing. At the close of the year it worked for nearly a month, there being failure of water for ten days even then. On the whole, mill worked for five months and the outturn of sawn material was 17,307 cubic feet against 17,695 cubic feet in the previous year. Thirteen thousand four hundred and seventy-six cubic feet of teak scantlings and 3,831 cubic feet of miscellaneous species scantlings were sawn. Teak scantlings sold at an average price of Rs. 2–15–1 per cubic foot. The percentage of waste was 42·6 and when this is considered together with the cost of conversion, sales at the above rate can scarcely be considered remunerative as compared with sales of the same timber in the log which realise about Rs. 2 per cubic foot.

67. *The wire ropeway at Mount Stuart.*—This was put into working order personally by the Conservator and work started on the 27th October. The total number of loads sent down the wire ropeway was 357 of 6,247 cubic feet against 263 of 4,717 cubic feet in the previous year. Two thousand bamboos also were transported by this means. The gain as compared with road transport was reported to be Rs. 386–9–3.

68. *Mica, etc.*—There were 30 sanctioned mica mines in existence at the commencement of the year, two new ones were sanctioned during the year and the lease of one was cancelled, leaving 31 mines at work at the end of the year. To the three mines in patta lands, one more was added during the year; three of which are working satisfactorily, while the work in the fourth is unsystematic. Eight prospecting licenses were also issued during the year. No cases of illicit mining were reported. In the case of one prospecting plot, the licensee's agent carried on prospecting operations after the expiry of the period of license, but subsequently applied for its renewal

which was granted. In another case, a prospecting licensee carried on prospecting operations in certain excluded portions owing to ignorance of limits, and on his application and personal inspection by the Collector a fresh license was granted which included the portion in which unauthorized prospecting operations were carried on. The total quantity of mica consigned from the district was 846,467 lbs. against 251,295 lbs. in the preceding year and the royalty collected thereon amounted to Rs. 34,390 against Rs. 10,105 in the previous year. There seems to be a large demand for mica not only in London but also in Germany and other European countries, so much so, that the agent of a Hamburg firm has established himself in Gudur and is purchasing large quantities of mica. Of late there has been several instances of local sales of mica by the lessees, some at the pits' mouth and some in Madras. The demand for flimsy mica has revived recently owing to a demand in Germany for this class. The prospects, so far as they appear from the present demand, are fair and there is every hope of the industry in mica increasing during the coming years. Seven accidents were reported during the year, six of which were due to carelessness in handling explosives and one to the fall of overhanging mica schist. Almost all the important mines were inspected during the year by the Inspector of Mines and some by the District Medical and Sanitary Officer.

The plumbago mines in *Gódávari* were worked only on a small scale and the royalty realized was Rs. 162.

69. *Forest museum.*—This was maintained and largely developed. A new special building for the purpose was sanctioned by Government.

Appendix A.—District areas and Forest reserves.

District.	(a) Total area excluding feudatory and tributary states.	(b) Area excluding zamindari, whole inam villages and minor inams in ryotwari tracts.	(b) Occupied area.	Particulars of remaining area (columns 3—4). (b) Unoccupied, cultivable, uncultivable and forest areas.	(a) Areas for which returns are not available.	Total of columns 5 and 6.	Reserved forests and reserved lands. Reserved forests under Act V of 1882.	Reserved lands.	Total of reserves (columns 8 and 9).	Percentage of column 10 to column 3.	Percentage of column 10 to column 7.
1	2	3	4	5	6	7	8	9	10	11	12
Northern Circle.	ACS.	ACS.	ACS.	ACS.	ACS.	ACS.	ACS.	ACS.	ACS.		
Ganjám	5,356,224	1,609,588	417,448	706,085	486,055	1,192,140	344,589	38,495	383,084	23·80	32·13
Vizagapatam	11,022,714	849,009	181,605	667,404	..	667,404	190,700	30,009	220,709	26·00	33·07
Gódávari	3,585,602	1,885,804	553,101	1,332,703	..	1,332,703	554,999	48,450	603,449	32·00	45·28
Kistna	3,761,866	1,612,431	978,354	634,077	..	634,077	179,192	260	179,452	11·13	28·30
Guntúr	3,670,454	2,892,618	1,773,907	1,109,598	9,113	1,118,711	521,191	18	521,209	18·21	46·59
Kurnool	4,849,767	4,219,237	1,404,504	2,814,733	..	2,814,733	1,622,188	72,061	1,694,249	40·16	60·19
Bellary	3,656,230	2,980,358	1,865,990	1,114,368	..	1,114,368	384,794	54,799	439,593	14·75	39·45
Anantapur	3,556,083	3,021,559	1,441,443	1,580,116	..	1,580,116	326,089	6,984	333,073	11·02	21·08
Total ..	39,458,940	19,070,604	8,616,352	9,959,084	495,168	10,454,252	4,123,742	251,076	4,374,818	22·90	41·85
Central Circle.											
Cuddapah	5,582,739	4,859,574	1,381,901	3,477,673	..	3,477,673	1,433,982	74,759	1,508,741	31·05	43·38
Nellore	5,097,300	2,320,111	886,664	1,433,447	..	1,433,447	470,110	2,806	472,916	20·38	32·99
Chingleput	1,971,041	1,306,966	661,932	645,034	..	645,034	136,812	..	136,812	10·47	21·21
North Arcot	4,722,713	2,499,688	876,700	1,622,988	..	1,622,988	825,349	345	825,694	33·03	50·88
South Arcot	3,339,520	2,989,717	1,656,035	1,333,682	..	1,333,682	424,650	..	424,650	14·20	31·84
Salem	4,818,982	3,575,342	1,437,441	2,137,901	..	2,137,901	998,795	61,185	1,059,980	29·65	49·58
Trichinopoly	2,324,804	1,713,225	1,103,567	609,658	..	609,658	198,199	3,245	201,444	11·76	33·04
Tanjore	2,375,381	1,583,478	1,142,240	441,238	..	441,238	12,461	..	12,461	·79	2·82
Total ..	30,232,480	20,848,101	9,146,480	11,701,621	..	11,701,621	4,500,358	142,340	4,642,698	22·27	39·68
Southern Circle.											
South Canara	2,573,389	2,573,389	669,094	1,902,241	2,054	1,904,295	431,627	251,533	683,160	26·55	35·88
Malabar	3,708,692	3,687,513	1,291,983	2,395,530	..	2,395,530	289,887	56,669	346,556	9·04	14·47
Nilgiris, The	612,557	612,893	196,053	416,840	..	416,840	263,810	55,810	319,620	52·15	76·68
Coimbatore	5,030,790	4,596,233	2,511,170	2,085,063	..	2,085,063	1,305,873	180,480	1,486,353	32·34	71·29
Madura	5,568,896	2,079,154	1,123,613	955,541	..	955,541	394,021	33,394	427,415	20·51	44·73
Tinnevelly	3,448,922	2,279,314	1,484,438	794,876	..	794,876	279,505	459	279,964	12·28	35·22
Total ..	20,943,246	15,828,496	7,276,351	8,550,091	2,054	8,552,145	2,964,723	578,345	3,543,068	22·38	41·43
Grand Total ..	90,634,666	55,747,201	25,039,183	30,210,796	497,222	30,708,018	11,588,823	971,761	12,560,584	22·53	40·90

(a) Area by professional survey.

(b) Area according to village papers.

APPENDIX B.—Reserved forests in square miles.

Districts.	Up to 1903–1904.	During 1903–1904.	During 1904–1905.	Total.
1	2	3	4	5
Northern Circle.	SQ. MLS.	SQ. MLS.	SQ. MLS.	SQ. MLS.
Ganjám	536	2	..	538
Vizagapatam	298	..	..	298
Gódávari	952 − 85 (b)	..	(a)	867
Kistna	179 + 85 (b)	3	13	280
Guntúr	778 + 8 (c)	22	6	814
Kurnool, East	1,079	73	3	1,155
Kurnool, West	1,254	59 − 2 (e)	69	1,380
Bellary	571	2	28	601
Anantapur	510	..	..	510
Total	6,165	159	119	6,443
Central Circle.				
Cuddapah	2,216	(b) − 3	28	2,241
Nellore	739 − 8 (c)	1	2	734
Chingleput	214	..	..	214
North Arcot	1,291	(f) − 1	..	1,290
South Arcot	663	..	..	663
North Salem	813	19	..	832
South Salem	695	33	..	728
Trichinopoly	296	5		310
Tanjore	19	+1 (f)	..	20
Total	6,938	55	39	7,032
Southern Circle.				
South Canara	662	..	12	674
North Malabar	231	..	4	235
South Malabar	218	..	..	218
The Nilgiris	403	5	4	412
North Coimbatore	1,333	45	..	1,378
South Coimbatore	662	..	..	662
Madura	609	1	9 − 3 (d)	616
Tinnevelly	436	1	..	437
Total	4,554	52	26	4,632
Grand Total	17,657	266	184	18,107

(a) Below one square mile.
(b) Transferred from Gódávari to Kistna.
(c) Transferred from Nellore to Guntúr.
(d) Disafforested.
(e) Revision of area by India Survey.
(f) Rectification.

APPENDIX C.—Particulars of balance of Lands under Settlement.

District.	Forest settlement. Total number and area of blocks under settlement up to the end of 1904-1905. Number.	Area.	Total number and area of blocks constituted finally as reserved forests up to the end of 1904-1905. Number.	Area.	Balance at the end of 1904-1905. Number.	Area.
1	2	3	4	5	6	7
Northern Circle.		SQ. MLS.		SQ. MLS.		SQ. MLS.
Ganjám	54	598	51	538	3	60
Vizagapatam	52	298	52	298	..	..
Gódávari	* 73	943	71	867	2	76
Kistna	† 74	280	68	280	6	(a)
Guntúr	179	814	177	814	2	(a)
Kurnool, East	38	1,156	37	1,155	1	1
Kurnool, West	64	1,493 (b) — 1	58	1,380	6	112
Bellary	153	626 (b) — 1	150	601	3	24
Anantapur	88	521	80	510	8	11
Total ..	775	6,727	744	6,443	31	284
Central Circle.						
Cuddapah	212	2,360 (b) — 2	208	2,241	4	117
Nellore	‡ 227	738	226	734	1	4
Chingleput	197	214	197	214	..	..
North Arcot	194	1,290	192	1,290	2	(a)
South Arcot	157	663	157	663	..	..
North Salem	75	923	70	832	5	91
South Salem	103	733	102	728	1	5
Trichinopoly	120	316 (b) — 1	117	310	3	5
Tanjore	15	20	15	20	..	..
Total ..	1,300	7,254	1,284	7,032	16	222
Southern Circle.						
South Canara	145	880	100	674	45	206
North Malabar	24	258	22	235	2	23
South Malabar	14	265	12	218	2	47
The Nilgiris	428	413	425	412	3	1
North Coimbatore	50	1,652	47	1,378	3	274
South Coimbatore	21	662	21	662	..	..
Madura	151 (c)— 1	671 (c) — 3	148	616	2	52
Tinnevelly	69	438	63	437	6	1
Total ..	901	5,236	838	4,632	63	604
Grand Total, Presidency ..	2,976	19,217	2,866	18,107	110	1,110

(a) Below one square mile. (b) Excluded at settlement. (c) Disafforested.

* Out of the blocks shown last year, 14 with an aggregate area of 85 square miles were transferred to Kistna district.

† Out of the blocks shown last year, 172 with an aggregate area of 806 square miles were transferred to the newly formed Guntúr district.

‡ Out of the blocks shown last year, 5 with an aggregate area of 8 square miles were transferred to the Guntúr district.

Appendix C.—Particulars of balance of Lands under Settlement—*cont.*

District.	Settled and reported on.								Settled but not reported on.		Settlement proceeding.	
	Notified under section 16 during 1904–1905, but reservation effected only after 30th June 1905.		With Board or Government awaiting publication of Notification under section 16.		Returned by the Board for revision and remaining either with Collector, District Forest-officer or Forest Settlement-officer.		Total settled and reported on.					
	Number.	Area.	Number.	Area.	Number.	Area.	Number.	Area.	Number.	Area.	Number.	Area.
	8	9	10	11	12	13	14	15	16	17	18	19
Northern Circle.		SQ. MLS.		SQ. MLS.		SQ. MLS.		SQ. MLS.		SQ. MLS.		SQ. MLS.
Ganjám	..	..	..	..	..	..	..	..	..	..	3	60
Vizagapatam ..	..	..	..	..	..	..	..	..	..	..	..	..
Gódávari	..	..	(b) 1	1	..	..	1	1	..	..	1	75
Kistna	..	..	(b) 1	(a)	..	..	1	(a)	..	..	5	(a)
Guntúr	..	..	..	..	..	..	..	..	..	..	2	(a)
Kurnool, East ..	1	1	..	..	..	..	1	1	..	..	..	..
Kurnool, West ..	1	2	..	..	(c) 2	10	3	12	..	..	3	100
Bellary	..	..	(b) 1	13	..	..	1	13	(c) 2	11	..	..
Anantapur ..	..	..	..	..	..	..	..	..	..	..	8	11
Total ..	2	3	3	14	2	10	7	27	2	11	22	246
Central Circle.												
Cuddapah	..	..	(b) 1	5	2	112	3	117	(b) 1	(a)	..	..
Nellore	1	4	..	..	..	..	1	4	..	..	..	..
Chingleput ..	..	..	..	..	..	..	..	..	..	..	..	..
North Arcot ..	..	..	..	..	..	..	..	..	..	..	2	(a)
South Arcot ..	..	..	..	..	..	..	..	..	..	..	..	..
North Salem ..	..	..	(b) 1 1	15 11	..	..	2	26	(c) 2	19	1	46
South Salem ..	..	..	..	..	1	5	1	5	..	..	..	..
Trichinopoly ..	..	..	(b) 1	3	..	..	1	3	(c) 1	1	1	1
Tanjore	..	..	..	..	..	..	..	..	..	..	..	..
Total ..	1	4	4	34	3	117	8	155	4	20	4	47
Southern Circle.												
South Canara ..	8	11	(b) 2	(a)	..	..	10	11	15	56	20	139
North Malabar ..	..	..	..	..	1	22	1	22	..	..	1	1
South Malabar ..	..	..	..	..	..	..	..	..	..	..	2	47
The Nilgiris ..	2	(a)	..	..	..	..	2	(a)	(c) 1	1	..	..
North Coimbatore.	..	..	..	..	..	..	..	..	(c) 1	16	2	258
South Coimbatore.	..	..	..	..	..	..	..	..	..	..	..	..
Madura	..	..	..	..	1	52	1	52	..	..	1	(a)
Tinnevelly ..	3	(a)	..	..	..	..	3	(a)	..	..	3	1
Total ..	13	11	2	(a)	2	74	17	85	17	73	29	446
Grand Total, Presidency ..	16	18	9	48	7	201	32	267	23	104	55	739

(a) Below one square mile. (b) Since notified under section 16 of the Forest Act.
(c) Report since submitted to the Board.

APPENDIX C.—Particulars of balance of Lands under Settlement—*cont.*

Districts.	Of lands notified under section 4.																							
	1891–92.		1894–95.		1895–96.		1896–97.		1897–98.		1898–99.		1899–1900.		1900–1901.		1901–1902.		1902–1903.		1903–1904.		1904–1905.	
	Number.	Area.	Number.	Area.	Number.	Area.	Number.	Area.	Number.	Area.	Number.	Area.	Number.	Area.	Number.	Area.	Number.	Area.	Number.	Area.	Number.	Area.	Number.	Area.
	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43
Northern Circle.		S. M.		S. M.		S. M.		S. M.		S. M.		S. M.		S. M.		S. M.		S. M.		S. M.		S. M.		S. M.
Ganjám ..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	1	60	2	(a)
Vizagapatam ..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Gódávari ..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	1	75	..	..	1	1	..	..
Kistna	..	..	..	..	..	..	..	..	..	..	..	..	..	..	1	(a)	..	..	..	..	..	..	5	(a)
Guntúr	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	2	(a)
Kurnool, East ..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	1	1	..	..	..	..
Kurnool, West ..	..	..	..	..	..	..	..	..	1	88	..	..	..	..	..	..	..	..	2	7	3	17	..	..
Bellary ..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	3	24	..	..
Anantapur ..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	8	11
Total ..	..	..	..	..	..	..	..	..	1	88	..	..	..	..	1	(a)	1	75	3	8	8	102	17	11
Central Circle.																								
Cuddapah ..	..	..	2	112	..	..	..	..	1	5	..	..	..	..	..	..	..	..	..	..	..	..	1	(a)
Nellore	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	1	4	..	..	..	..
Chingleput ..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
North Arcot ..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	1	(a)	..	..	1	(a)
South Arcot ..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
North Salem ..	..	..	..	..	..	..	..	..	..	..	..	..	1	4	4	87	..	..	..	..	..	..	..	..
South Salem ..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	1	5	..	..	..	..
Trichinopoly ..	..	..	..	..	..	..	1	3	..	..	1	1	..	..	..	..	..	..	..	..	..	..	1	1
Tanjore ..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Total ..	..	..	2	112	..	..	1	3	1	5	1	1	1	4	4	87	..	..	3	9	..	..	3	1
Southern Circle.																								
South Canara ..	..	..	1	3	1	4	2	8	..	..	1	15	..	..	..	..	4	15	8	32	15	25	13	104
North Malabar ..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	1	22	1	1
South Malabar ..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	1	45	1	2
The Nilgiris ..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	2	(a)	..	..	..	..	1	1	..	..
North Coimbatore	(b)1	246	..	..	..	..	..	..	..	..	..	..	..	..	..	..	1	16	..	..	..	..	1	12
South Coimbatore	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Madura ..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	2	52
Tinnevelly ..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	1	1	..	..	4	(a)	1	(a)
Total ..	1	246	1	3	1	4	2	8	..	..	1	15	..	..	2	(a)	6	32	8	32	22	92	19	171
Grand Total ..	1	246	3	115	1	4	3	11	2	93	2	16	1	4	7	87	7	107	14	49	30	195	39	183

(a) Below one square mile. (b) Renotified under section 4 during 1904–1905.

APPENDIX D.—Causes of delay in the submission of final notifications of Forest reserves.

Districts	Notified under section 16 during 1904-1905, but with effect only after 30th June 1905.	With Board or Government awaiting publication of notification under section 16.	Pending with Collectors and Forest-settlement officers for revision.	Awaiting disposal of appeals.	Awaiting grant of compensation or exchange of lands.	Awaiting demarcation and survey of enclosures, and preparation of maps.	Awaiting District Forest-officer's answers to claims, demarcation, etc.	Awaiting inspection by the Forest Settlement officers.	Awaiting information from Tahsildars or other Revenue officers.	Awaiting expiry of time prescribed for appeal.	Other causes (such as recently notified, renotification under section 4, etc.).	Total.
1	2	3	4	5	6	7	8	9	10	11	12	13
Ganjám	..	..	..	..	..	1	..	2	..	..	..	3
Vizagapatam ..	..	..	..	..	..	..	..	..	..	..	..	..
Gódávari	..	1	..	1	..	..	..	..	..	..	..	2
Kistna	..	1	..	..	..	..	..	5	..	..	..	6
Guntúr	..	..	..	..	..	..	..	2	..	..	..	2
Kurnool, East ..	1	..	..	..	..	..	..	..	..	..	..	1
Kurnool, West ..	1	..	2	..	..	..	1	..	2	..	..	6
Bellary	..	1	2	..	..	..	..	..	..	..	..	3
Anantapur ..	..	..	..	..	1	..	..	7	..	..	..	8
Cuddapah ..	..	1	3	..	..	..	..	..	..	..	..	4
Nellore	1	..	..	..	..	..	..	..	..	..	..	1
Chingleput ..	..	..	..	..	..	..	..	..	..	..	..	..
North Arcot ..	..	..	..	1	..	..	..	..	..	..	1	2
South Arcot ..	..	..	..	..	..	..	..	..	..	..	..	..
North Salem ..	..	2	2	1	..	..	..	..	..	..	..	5
South Salem ..	..	..	1	..	..	..	..	..	..	..	..	1
Trichinopoly ..	..	1	1	1	..	..	..	..	..	..	..	3
Tanjore	..	..	..	..	..	..	..	..	..	..	..	..
South Canara ..	8	2	15	4	..	..	1	13	..	..	2	45
North Malabar ..	..	..	1	..	..	..	1	..	..	..	..	2
South Malabar ..	..	..	..	..	..	..	2	..	..	..	..	2
The Nilgiris ..	2	..	1	..	..	..	..	..	..	..	..	3
North Coimbatore.	..	..	1	..	..	..	1	..	..	..	1	3
South Coimbatore.	..	..	..	..	..	..	..	..	..	..	..	..
Madura	..	..	1	..	..	..	..	..	..	..	1	2
Tinnevelly ..	3	..	..	..	..	1	1	..	..	1	..	6
Total ..	16	9	30	8	1	2	7	29	2	1	5	110

Appendix E.—Reserved Lands not under Settlement in square miles.

Districts.	Up to 1903–1904.	Added during 1903–1904.	Added during 1904–1905.	Total.	Transferred to settlement. Up to 1903–1904.	During 1903–1904.	During 1904–1905.	Total.	Balance "reserved lands" not under settlement.
1	2	3	4	5	6	7	8	9	10
Northern Circle.									
Ganjám	538	60	(a)	598	538	60	(a) ..	598	..
Vizagapatam ..	345	..	..	345	298	..	..	298	47
Gódávari	942	1	..	943	942	1	..	943	..
Kistna	282	(b) — 2	(a)	280	275	7; (b) — 2	(a) ..	280	..
Guntúr	814	..	(a)	814	814	..	(a) ..	814	..
Kurnool, East ..	1,156	..	..	1,156	1,156	..	..	1,156	..
Kurnool, West ..	1,493	..	(b) — 1	1,492	1,493	..	(b) — 1	1,492	..
Bellary	636	53; (f) — 1	(b) — 1	687	573	53	(b) — 1	625	(c) 62
Anantapur	510	..	11	521	510	..	11	521	..
Total ..	6,716	111	9	6,836	6,599	119	9	6,727	109
Central Circle.									
Cuddapah	2,373	(b) — 5; (d) — 3; (e) — 5	(b) — 2	2,358	2,360	..	(b) — 2	2,358	..
Nellore	739	..	(f) — 1	738	739	..	(f) — 1	738	..
Chingleput ..	214	..	..	214	214	..	..	214	..
North Arcot ..	1,290	..	..	1,290	1,290	..	..	1,290	(a) ..
South Arcot ..	663	..	..	663	663	..	..	663	..
North Salem ..	924	(b) — 1	..	923	924	(b) — 1	..	923	..
South Salem ..	735	(b) — 2	..	733	735	(b) — 2	..	733	..
Trichinopoly ..	315	..	1; (b) — 1	315	315	..	1; (b) — 1	315	..
Tanjore	20	..	..	20	20	..	..	20	..
Total ..	7,273	— 16	— 3	7,254	7,260	— 3	— 3	7,254	..
Southern Circle.									
South Canara ..	1,070	1; (g) — 2	(g) — 2	1,067	751	25	104	880	187
North Malabar ..	235	22	1	258	235	22	1	258	..
South Malabar ..	266	18	..	284	218	45	2	265	(c) 19
The Nilgiris ..	498	1	..	499	412	1	..	413	(c) 86
North Coimbatore.	1,650	(b) — 2	12	1,660	1,640	..	12	1,652	8
South Coimbatore.	662	..	..	662	662	..	..	662	..
Madura	619	..	52; (d) — 3	668	619	..	52; (d) — 3	668	..
Tinnevelly ..	437	..	(f) 1	438	437	(a) ..	(f) 1	438	..
Total ..	5,437	38	61	5,536	4,974	93	169	5,236	300
Grand Total ..	19,426	133	67	19,626	18,833	209	175	19,217	409

(a) Below one square mile. (b) Excluded at settlement. (c) Leased forests. (d) Disafforested.
(e) Initial notification cancelled. (f) Rectification. (g) Abandoned.

APPENDIX F.—Abstract of district reports in regard to the maintenance of maps in accordance with the provisions of section 81 of the Forest Code.

Northern Circle.

Ganjám.—Maps for all fire-protected areas have been prepared in the year.

Vizagapatam.—A district reference map on the scale of 4 miles to an inch showing all reserves, etc., and three range forest reference maps and sketch-maps for reserves were prepared.

Gódávari.—The district map (1″ = 4 miles), showing all reserves, etc., has been maintained as also range forest maps (1″=1 mile). Separate maps for each reserve are also kept.

Kistna.—Final maps for 15·68 square miles of reserved forests were received. The existing maps were maintained.

Guntúr.—Final maps for 16·9 square miles of reserved forests were received. The existing maps were maintained.

Kurnool, East.—The maps referred to in the previous year's reports have been maintained.

Kurnool, West.— Do. do.

Bellary.—The district range and reserve maps have been maintained as usual.

Anantapur.—Final maps for 510 square miles of reserved forests have been supplied by the Survey Department.

Central Circle.

Cuddapah.—The district and taluk maps are maintained and posted up to date. Fair copies of ten reserve maps were prepared during the year and 14 sketches showing special fire-protected blocks were also prepared.

Nellore.—Sketches of final maps for the Kanigiri, Udayagiri, Rapur, Coast and Sríharikóta ranges and five sketches of final maps for the Kávali range were prepared and supplied to Range officers.

Chingleput.—The coupe divisions with their area of 42 blocks of Chingleput range were marked on litho plans and maps showing alteration of coupe lines for the 13 working circles of Chingleput range were prepared. The atlas sheet of the district was posted up to date besides copies for the litho plans of 27 blocks received from the Survey office were supplied to the Range officers, Conservators, Board and Government. Working plan sketches for eight working circles of the Chingleput range were prepared in the year.

North Arcot.—Final maps for 27 square miles have been prepared in the year. Working plan for the whole district has been completed.

South Arcot.—During the year the following maps were prepared:—Copies of two reserve maps were prepared on tracing cloth for the use of Range officers. Alterations in the Odayanatham reserve map as per settlement from sections 4 to 16 were prepared. The boundaries of 18 forests were marked on village survey maps for duplication by the Survey office. Tracing maps of six reserves in which areas planted with Cashew were posted. Demarcations of 36 reserves were posted. Paper outline maps for 41 reserves were prepared for supply to Range officers to prepare estimates and posting of final demarcation. Reserved forests were posted in 18 taluk maps.

North Salem.—The district forest reference and range forest reference maps are maintained. There are Survey of India maps (4″ = 1 mile) for 62 reserved forests, and Madras Survey maps (8″ = 1 mile) for six reserved forests and departmental survey maps (4″=1 mile) for two reserved forests. Working plan maps (4″=1 mile) are also maintained.

South Salem.—The district forest reference map and 2 sets of range forest reference maps, separate maps for each reserve and separate working plan maps were maintained and posted.

Trichinopoly.—The district forest reference map has been maintained. The taluk or range maps have been posted and are maintained. Tracing maps for 8 reserved forests in Kulitalai, for 5 in the Vayyampatti, for 20 in the Musiri, for 19 in the Perambalúr and 16 in the Udayárpálaiyam ranges aggregating in all 129 square miles have been prepared up to the year.

Tanjore.—The district as well as the range reference maps are maintained. Separate maps were prepared for each reserve with topographical features and admitted rights indicated therein. Working plan maps on the 8″ scale are maintained for the Vettangudi reserved forest and the North, South and Neidavasal Casuarina plantations.

Southern Circle.

South Canara.—The district reference map posted up to date and maps for all reserved forests except Bhagimale and Mujimale are maintained.

Nilgiris.—The office reference map has been posted up to date, and the range topo: maps and settlement maps have all been posted. There are separate reserve maps for Mudumalai, Benne and Kumbarakolli forests. Settlement maps for every village with all reserves shown therein in accordance with Section 16 notifications are maintained. Working circle plans for nine reserves are maintained.

North Malabar.—Three copies of Woodstock reserve, three of Ladysmith and three of Nuvine reserve were prepared in the year. Prepared also one copy of Kanoth reserve, two copies each of Ontangadi and Kuruva; one copy of plantation map of Begur range, two copies of Kambanmalai reserve.

South Malabar.—The following maps were prepared in the year. Four copies of the stock maps of Eddacode Working Circle, four copies of soil maps of Aravillicava, Arivacode, Panangodu, Chathamborai and Walluvasheri, four copies of Karimpoya planting map; five copies of Beypore working plan map; reduced map of the Walaghat coffee estate, four copies of Attipadi valley reserve and three copies of Silent valley reserves.

North Coimbatore.—The office reference map, reserve maps for all the reserves in the Erode range (Erode, Dharapuram and Karûr taluks) were prepared. Settlement maps have been supplied to all Range officers for the principal reserves to be used with the topographical sheets.

South Coimbatore.—District forest reference and range reference maps have been maintained in duplicate. Survey of India maps exist for all reserves except Elayamuthur, Dhali, Sankararayapuram, Nellimalai and Avanashi for which there are Madras Survey maps. Separate maps for each of the working circles are also maintained.

Madura.—There are Survey of India maps for almost all the reserves except for eleven reserves.

Tinnevelly.—The district reference map has been posted up to date and final maps for the Naranapuram and Valliyur blocks were prepared and sent to Survey of India for taking fifty copies of each. Gangaikondan reserve map referred to in the last year's report was sent back to the Survey office and returned this year for record in the office.

APPENDIX G.—Statement showing the area of Reserved Forests for which final maps have been prepared.

Districts.	Area of reserved forests.	Area of reserved forests for which final maps have been prepared.
	SQ. MILES.	SQ. MILES.
Ganjám	538	538
Vizagapatam	298	14
Gódávari	867	..
Kistna	280	90
Guntúr	814	463
Kurnool (East)	1,155	1,014
Kurnool (West)	1,380	246
Bellary	601	499
Anantapur	510	510
Cuddapah	2,241	2,241
Nellore	734	332
Chingleput	214	200
North Arcot	1,290	1,282
South Arcot	663	663
North Salem	832	832
South Salem	728	698
Trichinopoly	310	108
Tanjore	20	20
South Canara	674	660
North Malabar	235	235
South Malabar	218	35
The Nilgiris	412	..
North Coimbatore	1,378	461
South Coimbatore	662	662
Madura	616	598
Tinnevelly	437	416
Total ..	18,107	12,811

Annual Form No. 44.

Forest Department, Madras Presidency.

Area of reserved forests and reserved lands during 1904–1905.

District.	Area of reserved forests.						Area of reserved lands.						Total area of reserved forests and reserved lands.
	Area on 1st July 1904.		Added during the year.	Excluded during the year.	Area on 30th June 1905.		Area on 1st July 1904.		Added during the year.	Excluded during the year.	Area on 30th June 1905.		
	Acres.	Equivalent in square miles.	Acres.	Acres.	Acres.	Equivalent in square miles.	Acres.	Equivalent in square miles.	Acres.	Acres.	Acres.	Equivalent in square miles.	
Northern Circle.													SQ. MLS.
Ganjám	344,589	538	..	..	344,589	538	38,400	60	95	..	38,495	60	598
Vizagapatam	190,700	298	..	..	190,700	298	30,009	47	..	..	§ 30,009	47	345
Gódávari	609,245	952	323	‡ 54,569	554,999	867	48,750	76	..	300	48,450	76	943
Kistna	116,451	182	8,172 * 54,569	..	179,192	280	8,262	13	170	8,172	260	..	280
Guntúr	512,197	800	3,837 † 5,157	..	521,191	814	3,837	6	18	3,837	18	..	814
Kurnool, East	737,507	1,152	1,673	..	739,180	1,155	2,210	4	..	1,673	537	1	1,156
Kurnool, West	838,846	1,311	44,162	..	883,008	1,380	116,589	182	..	45,065	71,524	112	1,492
Bellary	366,508	573	18,286	..	384,794	601	73,771	115	..	18,972	54,799	86	687
Anantapur	326,089	510	..	..	326,089	510	..	..	6,984	..	6,984	11	521
Total ..	4,042,132	6,316	136,179	54,569	4,123,742	6,443	321,828	503	7,267	78,019	251,076	393	6,836
Central Circle.													
Cuddapah	1,416,525	2,213	18,003	546	1,433,982	2,241	93,760	147	4	19,005	74,759	117	2,358
Nellore	473,786	740	1,481	† 5,157	470,110	734	4,324	7	..	1,518	2,806	4	738
Chingleput	136,788	214	24	..	136,812	214	24	..	..	24	..	..	214
North Arcot	825,409	1,290	..	60	825,349	1,290	333	..	12	..	345	..	1,290
South Arcot	424,650	663	..	..	424,650	663	..	..	..	..	..	..	663
North Salem	532,644	832	..	..	532,644	832	58,426	91	..	..	58,426	91	923
South Salem	466,151	728	..	..	466,151	728	2,759	5	..	..	2,759	5	733
Trichinopoly	192,460	301	5,739	..	198,199	310	9,095	14	484	6,334	3,245	5	315
Tanjore	12,461	20	..	..	12,461	20	..	..	..	..	..	..	20
Total ..	4,480,874	7,001	25,247	5,763	4,500,358	7,032	168,721	264	500	26,881	142,340	222	7,254
Southern Circle.													
South Canara	423,475	662	8,171	19	431,627	674	261,036	408	34	9,537	251,533	393	1,067
North Malabar	147,578	231	2,470	..	150,048	235	16,207	25	900	2,470	14,637	23	258
South Malabar	139,839	218	..	..	139,839	218	42,032	66	..	..	42,032	66	284
The Nilgiris	261,602	408	2,208	..	263,810	412	58,056	91	..	2,246	55,810	87	499
North Coimbatore	882,216	1,378	..	..	882,216	1,378	172,640	270	7,840	..	180,480	282	1,660
South Coimbatore	423,657	662	..	..	423,657	662	..	..	..	..	..	..	662
Madura	390,242	610	5,860	2,081	394,021	616	5,860	9	33,394	5,860	33,394	52	668
Tinnevelly	279,505	437	..	..	279,505	437	453	..	6	..	459	1	438
Total ..	2,948,114	4,606	18,709	2,100	2,964,723	4,632	556,284	869	42,174	20,113	578,345	904	5,536
Grand Total ..	11,471,120	17,923	180,135	62,432	11,588,823	18,107	1,046,833	1,636	49,941	125,013	971,761	1,519	19,626

* Area of reserved forests transferred from Gódávari district.

† Area of reserved forests transferred from Nellore to Guntúr.

‡ Area of reserved forests transferred to Kistna district.

§ This excludes 388,531 acres of forest under the disposal of Government in the Palkonda and Golgonda Agency tracts for the management of which special rules have been framed under section 26 of the Forest Act.

Form No. 44.

District.	Name of forest.	Area on 1st July 1904. Acres.	Area on 1st July 1904. Equivalent in square miles.	Added during the year. Acres.	Excluded. Acres.	Area on 30th June 1905. Acres.	Area on 30th June 1905. Equivalent in square miles.	Number and date of notification of addition or transfer.
	Northern Circle.							
	Reserved forests.							
Ganjám.	Area notified in previous years ..	344,589	538	..	..	344,589	538	
	Reserved lands not transferred to reserved forests during the year.							
Ganjám.	Agustinowgam A to D blocks ..	..	..	78	..	78	..	No. 327, dated 16th August 1904.
	Ambazora enclosure	..	..	17	..	17	..	No. 101, dated 14th March 1905.
	Area notified in previous years ..	38,400	..	..	..	38,400	..	
	Total ..	38,400	60	95	..	38,495	60	
	Reserved forests.							
Vizagapatam.	Area notified in previous years..	190,700	298	..	..	190,700	298	
	Reserved lands not transferred to reserved forests during the year.							
	Area notified in previous years ..	30,009	47	..	..	30,009	47	
	Reserved forests.							
Gódávari.	(Busipakala enclosure) Marigura reserve.	..	..	* 323	..	323	..	No. 33, dated 16th January 1905.
	Area notified in previous years..	609,245	..	..	(a) 54,569	554,676	..	
	Total ..	609,245	952	323	54,569	554,999	867	
	Reserved lands not transferred to reserved forests during the year.							
	Area notified in previous years..	48,450	76	..	..	48,450	76	
	Reserved forests.							
Kistna..	Sorlagondi extension No. 1 ..	..	..	4,600	..	4,600	..	No. 276, dated 13th July 1904.
	Intern	..	..	3,572	..	3,572	..	No. 318, dated 9th August 1904.
	Area notified in previous years.	(b) 171,020	..	..	..	171,020	..	
	Total ..	171,020	267	8,172	..	179,192	280	
	Reserved lands not transferred to reserved forests during the year.							
	Jangalapalli extension No. 1 ..	..	..	25	..	25	..	No. 50, dated 4th February 1905.
	Do. ,, 2 ..	..	..	5	..	5	..	
	Do. ,, 3 ..	..	..	24	..	24	..	
	Do. ,, 4 ..	..	..	59	..	59	..	
	Do. ,, 5 ..	..	..	57	..	57	..	No. 70, dated 28th February 1905.
	Area notified in previous years..	90	..	..	..	90	..	
	Total ..	90	..	170	..	260	..	
	Reserved forests.							
Guntúr.	Venkatayapalem extension No. V.	..	..	3,837	..	3,837	..	No. 207, dated 13th May 1904.
	Area notified in previous years..	(c) 517,354	..	..	..	517,354	..	
	Total ..	517,354	808	3,837	..	521,191	814	
	Reserved lands not transferred to reserved forests during the year.							
	Nidamarru block No. 1-A. extension No. 1.	..	..	8	..	8	..	No. 417, dated 6th December 1904.
	Nidamarru block No. 1-A. extension No. 2.	..	..	10	..	10	..	
	Total ..	..	..	18	..	18	..	

* Twenty-three acres added during the year by rectification.
(a) Area of reserved forests transferred to Kistna.
(b) Includes 54,569 acres of reserved forests transferred from Gódávari district.
(c) Includes 5,157 acres of reserved forests transferred from Nellore district.

District.	Name of forest.	Area on 1st July 1904. Acres.	Area on 1st July 1904. Equivalent in square miles.	Added during the year. Acres.	Excluded Acres.	Area on 30th June 1905. Acres.	Area on 30th June 1905. Equivalent in square miles.	Number and date of notification of addition or transfer.
	NORTHERN CIRCLE—*cont.*							
	Reserved forests.							
Kurnool, East.	Tokapalli extension	..	..	499	..	499	..	No. 226, dated 25th May 1904.
	Chinaganipalle	..	..	1,174	..	1,174	..	No. 328, dated 23rd August 1904.
	Area notified in previous years ..	737,507	..	..	..	737,507	..	
	Total ..	737,507	1,152	1,673	..	739,180	1,155	
	Reserved lands not transferred to reserved forests during the year.							
	Area notified in previous years..	537	..	..	..	537	1	
	Reserved forests.							
Kurnool, West.	Ramavaram	..	..	2,267	..	2,267	..	No. 264, dated 30th June 1904.
	Owk	..	..	31,853	..	31,853	..	No. 312, dated 1st August 1904.
	Madhavaram	..	..	6,387	..	6,387	..	No. 409, dated 17th November 1904.
	Yerragudi	..	..	3,655	..	3,655	..	No. 420, dated 3rd December 1904.
	Area notified in previous years..	838,846	..	..	..	838,846	..	
	Total ..	838,846	1,311	44,162	..	883,008	1,380	
	Reserved lands not transferred to reserved forests during the year.							
	Area notified in previous years..	72,427	113	..	(d) 903	71,524	112	
	Reserved forests.							
Bellary.	Haladahalli A and B	..	..	251	..	251	..	No. 364, dated 3rd October 1904.
	Sheliyappanahalli	..	..	4,204	..	4,204	..	No. 398, dated 21st November 1904.
	Gudekota extension	..	..	1,642	..	1,642	..	No. 410, dated 16th December 1904.
	Jaramalai	..	..	3,386	..	3,386	..	No. 34, dated 12th January 1905.
	Choranur	..	..	5,220	..	5,220	..	No. 45, dated 30th January 1905.
	Hosahalli	..	..	3,583	..	3,583	..	No. 46, dated 31st January 1905.
	Area notified in previous years ..	366,508	..	..	..	366,508	..	
	Total ..	366,508	573	18,286	..	384,794	601	
	Reserved lands not transferred to reserved forests during the year—Nil.							
	Area notified in previous years..	55,156	87	..	(d) 357	54,799	86	
	Reserved forests.							
Anantapur.	Area notified in previous years..	326,089	510	..	..	326,089	510	
	Reserved lands not transferred to reserved forests during the year.							
	Yerlampalli addition	..	..	361	..	361	..	No. 357, dated 21st September 1904.
	Muchukota additions Nos I to VII.	..	..	47	..	47	..	No. 84, dated 7th March 1905.
	Yadiki addition Nos. I to VIII.	..	..	871	..	871	..	
	Illur extension	..	..	23	..	23	..	No. 145, dated 4th April 1905.
	Pamidi hill	..	..	11	..	11	..	No. 163, dated 10th April 1905.
	Molakatala addition	..	..	712	..	712	..	No. 177, dated 25th April 1905.
	Dokkalakonda addition I ..	..	..	9	..	9	..	No. 189, dated 4th May 1905.
	Jumbugumpula	..	..	4,950	..	4,950	..	No. 190, dated 4th May 1905.
	Area notified in previous years ..	..	..	..	..	..	..	
	Total ..	..	..	6,984	..	6,984	11	

(d) Excluded at settlment.

District.	Name of forest.	Area on 1st July 1904. Acres.	Area on 1st July 1904. Equivalent in square miles.	Added during the year. Acres.	Excluded. Acres.	Area on 30th June 1905. Acres.	Area on 30th June 1905. Equivalent in square miles.	Number and date of notification of addition or transfer.
	CENTRAL CIRCLE.							
	Reserved forests.							
Cuddapah	Papepalli, West	..	..	3,320	..	3,320	..	No. 432, dated 9th December 1904.
	Idupulapaya extension	..	..	10,223	..	10,223	..	No. 115, dated 18th March 1905.
	Sangasamudram	..	..	4,047	..	4,047	..	No. 137, dated 24th March 1905 and 5th October 1904.
	Sancherla Extension B	..	..	(*a*) 413	..	413	..	No. 192, dated 6th May 1905.
	Kavalakuntlas, North	..	..	..	(*b*) 546	..	..	Do.
	Area notified in previous years ..	1,416,525	..	..	..	1,415,979	..	
	Total ..	1,416,525	2,213	18,003	546	1,433,982	2,241	
	Reserved lands not transferred to reserved forests during the year.							
	Survey No. 281-4 of Diguvakalavatala.	..	..	4	..	4	..	No. 69, dated 23rd February 1905.
	Area notified in previous years ..	76,170	..	..	(*c*) 1,415	74,755	..	
	Total ..	76,170	119	4	1,415	74,759	117	
	Reserved forests.							
Nellore.	Mungamur tope	..	..	92	..	92	..	No. 245, dated 9th June 1904.
	Kadamuthala A and B ..	..	..	272	..	272	..	No. 285, dated 9th July 1904.
	Kolladinne tope	..	..	287	..	287	..	No. 354, dated 21st September 1904.
	Lingamgunta tope	..	..	830	..	830	..	No. 371, dated 11th October 1904.
	Area notified in previous years ..	473,786	..	..	(*d*) 5,157	468,629	..	
	Total ..	473,786	740	1,481	5,157	470,110	734	
	Reserved lands not transferred to reserved forests during the year.							
	Area notified in previous years ..	2,843	4	..	(*c*) 37	2,806	4	
	Reserved forests.							
Chingleput.	Wallaja tope	..	..	24	..	24	..	No. 247, dated 9th June 1904.
	Area notified in previous years ..	136,788	..	..	..	136,788	..	
	Total ..	136,788	..	24	..	136,812	214	
	Reserved lands not transferred to reserved forests during the year—Nil.							
	Reserved forests.							
North Arcot.	Area notified in previous years ..	825,409	1,290	..	(*e*) 60	825,349	1,290	No. 338, dated 21st September 1904.
	Reserved lands not transferred to reserved forests during the year.							
	Chittapara extension E	..	..	12	..	12	..	No. 32, dated 61ht January 1905.
	Area notified in previous years ..	333	..	..	..	333	..	
	Total ..	333	..	12	..	345	..	
	Reserved forests.							
South Arcot.	Area notified in previous years ..	424,650	663	..	..	424,650	663	
	Reserved lands not transferred to reserved forests during the year—Nil.							
	Reserved forests.							
North Salem.	Area notified in previous years ..	532,644	832	..	..	532,644	832	
	Reserved lands not transferred to reserved forests during the year.							
	Area notified in previous years ..	58,426	91	..	..	58,426	91	

(*a*) Newly added. (*b*) Disafforested. (*c*) Excluded at settlement.
(*d*) Area of forests transferred to Guntúr district. (*e*) Portion of Nedunkunam reserve disafforested.

District.	Name of forest.	Area on 1st July 1904. Acres.	Area on 1st July 1904. Equivalent in square miles.	Added during the year. Acres.	Excluded. Acres.	Area on 30th June 1905. Acres.	Area on 30th June 1905. Equivalent in square miles.	Number and date of notification of addition or transfer
	Central Circle—cont.							
	Reserved forests.							
South Salem.	Area notified in previous years ..	466,151	728	..	..	466,151	728	
	Reserved lands not transferred to reserved forests during the year.							
	Area notified in previous years ..	2,759	5	..	..	2,759	5	
	Reserved forests.							
Trichinopoly.	Nakkasalem	..	..	2,750	..	2,750	..	No. 206, dated 18th May 1904.
	Velur	..	..	2,989	..	2,989	..	No. 356, dated 19th September 1904.
	Area notified in previous years ..	192,460	..	..	..	192,460	..	
	Total ..	192,460	301	5,739	..	198,199	310	
	Reserved lands not transferred to reserved forests during the year.							
	Upper Anicut padugai	..	..	484	..	484	..	No. 418, dated 6th December 1904.
	Area notified in previous years ..	3,356	..	..	* 595	2,761	..	
	Total ..	3,356	5	484	595	3,245	5	
	Reserved forests.							
Tanjore.	Area notified in previous years ..	12,461	20	..	..	12,461	20	
	Reserved lands not transferred to reserved forests during the year—Nil.							
	Southern Circle.							
	Reserved forest.							
South Canara.	Kunthur	..	..	3,627	..	3,627	..	No. 185, dated 30th April 1904.
	Karadka	..	..	2,859	..	2,859	..	No. 275, dated 13th July 1904.
	Balimane extension I	..	..	13	..	13	..	No. 324, dated 20th August 1904.
	Narimagor	..	..	1,583	..	1,583	..	No. 419, dated 6th December 1904.
	Balimane extension II	..	..	89	..	89	..	No. 37, dated 20th January 1905.
	Area notified in previous years.	423,475	..	..	19	423,456	..	
	Total ..	423,475	662	8,171	19	431,627	674	
	Reserved lands not transferred to reserved forests during the year.							
	Sampaje	14,467	..	..	..	14,467	..	No. 333, dated 8th August 1904.
	Kiribag	11,442	..	..	..	11,442	..	
	Aletti I	3,264	..	..	..	3,264	..	No. 339, dated 2nd September 1904.
	Aletti II	4,695	..	..	..	4,695	..	
	Pumale	5,557	..	..	..	5,557	..	
	Medinadka	4,405	..	..	..	4,405	..	
	Todikan	3,987	..	..	..	3,987	..	No. 352, dated 16th September 1904.
	Nalkur	7,599	..	..	..	7,599	..	
	Jalsur	3,326	..	..	..	3,326	..	No. 365, dated 5th October 1904.
	Tenkahola extension	..	..	5	..	5	..	No. 407, dated 16th November 1904.
	Devachalla	3,837	..	..	..	3,837	..	No. 431, dated 9th December 1904.
	Anegundi	3,658	..	..	..	3,658	..	No. 97, dated 9th March 1905.
	Balimane extension III	..	..	3	..	3	..	No. 98, dated 9th March 1905.
	Area notified in previous years ..	186,628	..	26	*297 †1,069	185,288	..	
	Total ..	252,865	395	34	1,366	251,533	393	

* Excluded at settlement. † Rectification.

District.	Name of forest.	Area on 1st July 1904. Acres.	Area on 1st July 1904. Equivalent in square miles.	Added during the year. Acres.	Excluded. Acres.	Area on 30th June 1905. Acres.	Area on 30th June 1905. Equivalent in square miles.	Number and date of notification of addition or transfer.
	SOUTHERN CIRCLE—*cont.*							
	Reserved forests.							
North Malabar.	Ladysmith	..	..	2,470	..	2,470	..	No. 297, dated 27th July 1904.
	Area notified in previous years ..	147,578	..	..	..	147,578	..	
	Total ..	147,578	231	2,470	..	150,048	235	
	Reserved lands not transferred to reserved forests during the year.							
	Nemminad	..	..	900	..	900	..	No. 408, dated 16th November 1904.
	Area notified in previous years ..	13,737	..	..	..	13,737	..	
	Total ..	13,737	22	900	..	14,637	23	
	Reserved forests.							
South Malabar.	Area notified in previous years ..	139,839	218	..	..	139,839	218	
	Reserved lands not transferred to reserved forests during the year.							
	Panakadan	1,106	..	..	..	1,106	..	No. 883, dated 16th August 1904.
	Area notified in previous years ..	40,926	..	..	..	40,926	..	
	Total ..	42,032	66	..	..	42,032	66	
	Reserved forests.							
Nilgiris.	Neyatti addition No. I	..	..	43	..	43	..	
	Kodamalai reserve No. II ..	..	..	18	..	18	..	
	Beragani	..	..	1,053	..	1,053	..	No. 263, dated 29th June 1904.
	Lady Canning's Seat	..	..	133	..	133	..	
	Auduthorai addition No. II ..	..	..	58	..	58	..	
	Chirambadi addition No. II ..	..	..	10	..	10	..	No. 190, dated 6th May 1904.
	Do. ,, III ..	..	..	10	..	10	..	
	Do. ,, IV ..	..	..	8	..	8	..	
	Ammankaval reserve addition ..	..	..	3	..	3	..	
	Paruvakadavu	..	..	641	..	641	..	No. 397, dated 22nd October 1904.
	Santhi	..	..	16	..	16	..	No. 430, dated 10th December 1904.
	Denad reserve addition No. I ..	..	..	125	..	125	..	No. 85, dated 6th March 1905.
	Mavada reserve addition No. II.	..	..	90	..	90	..	Do.
	Area notified in previous years ..	261,602	..	..	..	261,602	..	
	Total ..	261,602	408	2,208	..	263,810	412	
	Reserved lands not transferred to reserved forests during the year.							
	Area notified in previous years ..	55,848	87	..	* 38	55,810	87	
	Reserved forests.							
North Coimbatore.	Area notified in previous years ..	882,216	1,378	..	..	882,216	1,378	
	Reserved lands not transferred to reserved forests during the year.							
	Pachapalimalai	..	..	7,840	..	7,840	..	No. 99, dated 14th March 1905.
	Area notified in previous years ..	172,640	..	..	..	172,640	..	
	Total ..	172,640	270	7,840	..	180,480	282	
	Reserved forests.							
South Coimbatore.	Area notified in previous years ..	423,657	662	..	..	423,657	662	
	Reserved lands not transferred to reserved forests during the year—**Nil.**							

* Excluded at settlement.

Range.	Name of forest.	Area on 1st July 1904. Acres.	Area on 1st July 1904. Equivalent in square miles.	Added during the year. Acres.	Excluded. Acres.	Area on 30th June 1905. Acres.	Area on 30th June 1905. Equivalent in square miles.	Number and date of notification of addition or transfer.
	SOUTHERN CIRCLE—*cont.*							
	Reserved forests.							
Madura.	Gundar valley extension ..	..	..	5,860	..	5,860	..	No. 325, dated 16th August 1904.
	Kuchukaradu	2,080	..	..	* 2,080	..	..	No. 193, dated 6th May 1905.
	Area notified in previous years ..	388,162	..	..	1	388,161	..	No. 52, dated 17th January 1905.
	Total ..	390,242	610	5,860	2,081	394,021	616	
	Reserved lands not transferred to reserved forests during the year.							
	Ampthill Downs	..	..	33,382	..	33,382	..	No. 385, dated 16th August 1904.
	Survey numbers of Kilakku-chettipatti.	..	..	12	..	12	..	No. 100, dated 14th March 1905.
	Area notified in previous years ..	..	..	..	..	..	..	
	Total ..	..	..	33,394	..	33,394	52	
	Reserved forests.							
Tinnevelly.	Area notified in previous years ..	279,505	437	..	..	279,505	437	
	Reserved lands not transferred to reserved forests during the year.							
	Nadugani, second bit	..	..	6	..	6	..	No. 296, dated 26th July 1904.
	Area notified in previous years ..	453	..	..	..	453	..	
	Total ..	453	..	6	..	459	1	

* Disafforested.

FORM

Forest Department,

STATEMENT showing the Progress made in, and the Expenditure

Name of forest district.	Area already settled at commencement of year.	Areas finally settled during the year.					
		Number and date of Government Order according final sanction to the settlement.	Name of forest settled.	Area.	Expenditure incurred during the year on areas finally settled. In forest accounts.	Expenditure incurred during the year on areas finally settled. In other accounts.	Entire cost per square mile of areas finally settled during the year.
1	2	3	4	5	6	7	8
							Northern
	SQ. MLS.			SQ. MLS.	RS. A. P.	RS.	RS. A. P.
Ganjám ..	538	....	....	..	..	..	..
Vizagapatam	298	....	....	..	..	..	..
Gódávari ..	952 — 85 (*b*).	No. 32, Revenue, dated 16th January 1905.	Marigura reserve (Busipakalu enclosure).	·46	..	..	..
		No. 647, dated 15th July 1905.	Lakkavaram addition ..	·77	..	..	..
			Total ..	1·23	..	..	..
Kistna ..	267·21	No. 739, dated 13th July 1904.	Sorlagandi extension I ..	7·19			
		No. 858, dated 9th August 1904.	Interu	5·58	..	4,078	..
		No. 643, dated 14th July 1905.	Jaggayapet extension IV ..	0·14			..
			Total ..	12·91	..	4,078	313 12 0
Guntúr ..	814	....	....	..			
Kurnool, East.	1,152·36	No. 530, dated 25th May 1904.	Tokapalli extension	·78	41 7 0	..	..
		No. 902, dated 16th August 1904.	Chinaganipalli	1·83	..	..	..
		No. 290, dated 27th March 1905.	Baddivid extension (*d*) ..	0·84	..	..	..
			Total ..	3·45	41 7 0 + (*c*) 1,112 11 2	..	..
Kurnool, West.	1,310·75	No. 689, dated 30th June 1904.	Ramavaram reserve	3½	77 0 0	..	..
		No. 827, dated 1st August 1904.	Owk reserve	49¾	108 0 0	..	..
		No. 1272, dated 17th November 1904.	Madhavaram reserve	10	299 0 0	..	..
		No. 1330, dated 3rd December 1904.	Yerragudi reserve	5½	..	..	..
		No. 580, dated 21st June 1905.	Voddamanu reserve (*d*) ..	2	..	..	..
			Total ..	70¾	484 0 0 + (*c*) 1,570 0 0	..	..

(*a*) Less than a square mile.

(*b*) Transferred to the Kistna district during the year.

No. 45.

Madras Presidency.

incurred on, Forest Settlements during 1904–1905.

Areas undergoing settlement.						
At commencement of the year.		Taken in hand during the year.		Expenditure incurred during the year on areas undergoing settlement.		Estimate of areas in which settlement operations have not yet commenced.
Name of tract.	Area.	Name of tract.	Area.	In forest accounts.	In other accounts.	
9	10	11	12	13	14	15
Circle.						
	SQ. MLS.		SQ. MLS.	RS.	RS. A. P.	SQ. MLS.
Pondakhol	60	Agustinowgam extension A to D.	(a)	..	423 6 8	..
		Ambazora enclosure		..		.. 17
....	..	....	..	..	..	
Coringa	75	....	..	..	176 6 9	..
		Jangalapalii extension I ..	·04			
		Do. do. II ..	·01			
....	..	Do. do. III ..	·04	..	157	..
		Do. do. IV ..	·09			
		Do. do. V ..	·09			
Total ..	..	Total ..	·27	..	157	..
		Nidamarru block No. 1 Extension I (a).	0·03	..	..	..
		Nidamarru block No. II Extension I.				
....	..	....	..	..	..	..
Total ..	..	Total ..	..	..	..	..
Gani	88	....	..	668	..	..
Lanjabanda extension ..	5	....	..	..	..	..
Yemboyi	5	....	..	..	..	..
Owk extension..	1	....	..	..	..	..
Rangapuram	11		..	..	..	..
Total ..	110	Total ..	..	668	..	..

(c) Spent on areas finally settled in previous years. (d) Reservation takes effect after the close of the year.

Statement showing the Progress made in, and the Expenditure

Name of forest district.	Area already settled at commencement of year.	Areas finally settled during the year. Number and date of Government Order according final sanction to the settlement.	Name of forest settled.	Area.	Expenditure incurred during the year on areas finally settled. In forest accounts.	In other accounts.	Entire cost per square mile of areas finally settled during the year.
1	2	3	4	5	6	7	8
							Northern
	SQ. MLS.			SQ. MLS.	RS. A. P.	RS.	RS. A. P.
Bellary ..	573	No. 1112, dated 3rd October 1904.	Haladahalli A and B blocks ..	28½ (Haladahalli A and B blocks to Hosahalli block)	346 0 0	493	29 7 6
		No. 1270, dated 16th November 1904.	Gudekota extension				
		No. 1298, dated 21st November 1904.	Sheliyappanahalli				
		No. 25, dated 12th January 1905.	Jaramali block				
		No. 72, dated 30th January 1905.	Choranur block				
		No. 80, dated 31st January 1905.	Hosahalli block				
		No. 648, dated 15th July 1905.	Jammanabonahalli	13			
			Total ..	41½	..	..	..
Anantapur ..	510	....	....	..	..	..	..
			Total ..	..	..	..	..
							Central
Cuddapah ..	2,214	No. 1122, dated 5th October 1904.	Sangasamudram	6	..	..	..
		No. 1348, dated 9th December 1904.	Papepalli West	5	..	..	..
		No. 254, dated 18th March 1905.	Idupulapaya extension ..	16	..	..	..
		No. 777, dated 23rd August 1905.	Papepalli East	5	..	..	..
		No. 877, dated 15th September 1905.	Survey No. 281-4 of Diguvakalvatala.	(*a*) ..	..	..	..
			Total ..	32	..	..	..
Nellore ..	740·19 (*b*)—8	No. 603, dated 9th June 1904.	Mungamur tope	·14	..	..	..
		No. 763, dated 19th July 1904.	Kadanuthala blocks A and B.	·42	..	..	..
		No. 1051, dated 21st September 1904.	Kolladinne tope	.45	..	..	..
		No. 1140, dated 11th October 1904.	Lingamgunta tope	1·30	..	..	..
		No. 300, dated 29th March 1905.	Anemadugu Chennayapalem tope (*d*)	4·38	..	..	..
			Total ..	6·69	1 0 0	..	..
Chingleput.	214	....	....	..	..	..	..
North Arcot.	1,289·61	....	....	..	..	..	..
South Arcot.	663	....	....	..	..	..	..

(*a*) Less than a square mile.

(*b*) Transferred to Guntúr district.

incurred on, Forest Settlements during 1904–1905—*cont.*

Areas undergoing settlement.						
At commencement of the year.		Taken in hand during the year.		Expenditure incurred during the year on areas undergoing settlement.		Estimate of areas in which settlement operations have not yet commenced.
Name of tract.	Area.	Name of tract.	Area.	In forest accounts.	In other accounts.	
9	10	11	12	13	14	15
Circle—cont.						
	SQ. MLS.		SQ. MLS.	RS.	RS. A. P.	
Halasagaram	8·81	....	..	..	..	....
Tonashigiri	1·99	....	..	..	..	....
Total ..	10·80	Total ..	..	..	..	
	..	Muchukota addition Nos. 1 to 7.	0·07			
	..	Yadiki addition Nos. 1 to 8 ..	0·04			
	..	Molakotalla addition No. 1 ..	0·02			
....	..	Dakkalakonda addition No. 1.	0·01	} ..	{ 176 6 9	97
	..	Yeralampalli addition ..	0·56			
	..	Illur extension	1·36			
	..	Pamidi hill	1·12			
	..	Jumbugumpula	7·73			
Total ..	..	Total ..	10·91	..	176 6 9	
Circle.						
Ganganapalli extension ..	52	....	..	..	..	
Seshachalam extension A ..	60	....	..	..	..	
		....	..	..	..	
Total ..	112		..	..	..	
		....	..	..	..	
Total ..		Total ..	..	..	..	
....	..	....	..	..	..	
Whitesides garden	·1	Chittapara E block	0·17	..	..	
....	..	....	..	..	..	

(*d*) Reservation takes effect after the close of the year.

Statement showing the Progress made in, and the Expenditure

Name of forest district.	Area already settled at commencement of year.	Areas finally settled during the year. Number and date of Government Order according final sanction to the settlement.	Name of forest settled.	Area.	Expenditure incurred during the year on areas finally settled. In forest accounts.	In other accounts.	Entire cost per square mile of areas finally settled during the year.
1	2	3	4	5	6	7	8
Central							
	SQ. MLS.			SQ. MLS.	RS. A. P.	RS.	RS. A. P.
North Salem.	832	....	....	..	..	..	..
			Total ..	..	..	..	..
South Salem.	728·36	....	....	..	..	..	..
Trichinopoly.	301·29	No. 1041, dated 19th September 1904.	Velur	5·06	..	2,253	..
		No. 614, dated 4th July 1905.	Sengattupatti extension ..	2·53	..		
			Upper Anicut padugai ..	·75	..	537	..
			Total ..	8·34	..	(*b*) 2,790	334 0 0
Tanjore ..	20	....	....	..	..	..	..
Southern							
South Canara.	662	No. 404, dated 30th April 1904.	Kunthur	6			
		No. 738, dated 13th July 1904.	Karadka	5			
		No. 921, dated 20th August 1904.	Ballimane extension I ..	(*a*) ..	25 0 11	..	..
		No. 1342, dated 6th December 1904.	Narimogor	2			
		No. 49, dated 20th January 1905.	Ballimane extension II ..	(*a*) ..			
		No. 202, dated 3rd March 1905.	Naravi extension IV ..	(*a*) ..			
				..	..	..	..
		....	....	..	..	..	..
		....	....	..	..	..	..
		....	....	..	..	..	..
		....	....	..	..	..	..
		....	....	..	..	..	..
		....	....	..	..	..	..
		....	....	..	..	..	..
		....	....	..	..	..	..
		....	....	..	..	..	..
		....	....	..	..	..	..
		....	....	..	..	..	..
		....	....	..	..	..	..
		....	....	..	..	..	..
		....	....	..	..	..	..
		....	....	..	..	..	..
		....	....	..	..	..	..
		....	....	..	..	..	..
		....	....	..	..	..	..
		....	....	..	..	..	..
			Total ..	13	25 0 11	..	..
North Malabar.	231	No. 806, dated 27th July 1904.	Ladysmith	3·86	4 6 0	..	..
South Malabar.	218	....	....	..	..	..	..

(*a*) Below one square mile.

incurred on, Forest Settlements during 1904–1905—*cont.*

Areas undergoing settlement.						Estimate of areas in which settlement operations have not yet commenced.
At commencement of the year.		Taken in hand during the year.		Expenditure incurred during the year on areas undergoing settlement.		
Name of tract.	Area.	Name of tract.	Area.	In forest accounts.	In other accounts.	
9	10	11	12	13	14	15
Circle—cont.						
	SQ. MLS.		SQ. MLS.	RS. A. P.	RS. A. P.	SQ. MLS.
Urigam	15	....	..	..	..	
Kempakarai	11	....	..	..	..	
Hulibanda	$14\frac{3}{4}$	....	..	..	..	
Hudaidurgam	$45\frac{3}{4}$	....	..	..	..	
Mangalam South extensions, bits 1 and 2.	$4\frac{1}{2}$	....	..	..	(*b*)1,941	
Total ..	91	Total ..	..	..	1,941	
Nagur extension	4·31	....	..	..	..	
Mogavanur	1·78	....	..	..	..	
Total ..	..	Total ..	..	..	..	
....	..	....	..	..	..	
Circle.						
Hole Someshwar	3	Tenkahola extension	(*a*) ..			
New Someshwar	4	Sampage	23			
Kalanjimale	5	Kiribag	18			
Virakambha	3	Aletti I	5			
Kilarmale	15	Pumale	9			
Varwadi	1	Medinadka	7			
Dondalarabi	2	Aletti II	7			
Kunthur extension	(*a*) ..	Todikan	6			
Mandakol	12	Nalkur	12			
Aivarnadu	3	Jalsur	5			
Adur	8	Devachala	6			
Kanyarmale	5	Anegundi	6			
Kallapattamale	2	Bantamale extension ..	(*a*) ..			
Kodialmale	1	....	..			
Kilarmale extension	(*a*) ..	....	..			
Subramanya	11	....	..	336 0 3	(*b*) 2,252 7 8	85
Paikadamale	2	....	..			
Bakudihola extension ..		....	..			
Tombattu extension		....	..			
Naravi extension I ..	(*a*) ..	....	..			
Do. II ..		....	..			
Do. III ..		....	..			
Mundajekap	1	....	..			
Bantamale	5	....	..			
Yenekal	5	....	..			
Irde	3	....	..			
Dolpady	2	....	..			
Enmurru	5	....	..			
Balpa	3	....	..			
Aranthakallu	1	....	..			
Mandakol extension	(*a*) ..	....	..			
Total ..	102	Total ..	104	336 0 3	2,252 7 8	
Kottiyur..	21·43	Neminad	1·441	2,975 0 0	(*b*) 1,126 0 0	
The Silent valley	45	Panakadan	2	183 0 0	(*b*) 1,126 0 0	

(*b*) In the account of the Forest Settlement-officer.

Statement showing the Progress made in, and the Expenditure

Name of forest district.	Area already settled at commencement of year.	Areas finally settled during the year.					
		Number and date of Government Order according final sanction to the settlement.	Name of forest settled.	Area.	Expenditure incurred during the year on areas finally settled.		Entire cost per square mile of areas finally settled during the year.
					In forest accounts.	In other accounts.	
1	2	3	4	5	6	7	8
Southern							
	SQ. MLS.			ACS.		RS. A. P.	
The Nilgiris.	410·84	No. 1180, dated 22nd October 1904.	Paravakadvu	641	..	..	..
		No. 1355, dated 10th December 1904.	Santhi	16	..	..	..
		No. 205, dated 6th March 1905.	Denad reserve addition I ..	125	..	..	..
		Do.	Mavada reserve addition II.	90	..	..	..
		No. 362, dated 25th April 1905.	* Aduthorai reserve addition I.	35	..	..	..
		No. 362, dated 25th April 1905.	* Kodanad valley Shola addition II.	170	..	..	..
			Total ..	1,077 acres or 1·68 sq. miles.	..	..	..
North Coimbatore.	1,378	....	....	..	..	..	..
South Coimbatore.	661·96	....	....	..	..	..	..
Madura ..	609·75 †— 3·25	No. 1053, dated 22nd September 1904.	Gundar valley extension ..	9·156	..	(b) 2,252 7 8	..
Tinnevelly ..	436·724	No. 553, dated 14th June 1905.	* Jadikai tottam	0·004	..	..	..
		Do.	* Kulisalkidai	0·002	..	..	..
		Do.	* Nadugani second bit.. ..	0·01	..	..	..
			Total ..	0·016	..	..	..

(b) As per Forest Settlement-officer's figures.

* Notified during the year but reservation takes effect subsequent to the close of the year.

† Disafforested during the year.

incurred on, Forest Settlements during 1904–1905—*cont.*

Areas undergoing settlement.				Expenditure incurred during the year on areas undergoing settlement.		Estimate of areas in which settlement operations have not yet commenced.
At commencement of the year.		Taken in hand during the year.				
Name of tract.	Area.	Name of tract.	Area.	In forest accounts.	In other accounts.	
9	10	11	12	13	14	15
Circle—cont.						
	SQ. MLS.		SQ. MLS.		RS. A. P.	SQ. MLS.
Kambatti block	736 acres or 1·15 square miles.	....	..	..	(*b*) 2,252 7 7	
Total ..	..	Total ..	..	..	2,252 7 7	
Madeswaramalai	246	Pachapalimalai	12¼	..	(*b*) 4,016 11 6	
Ennamangalam	16	....	..	..	..	
....	..	....	..	..	..	
		Ampthill Downs reserve ..	52·159	..	(*b*) 1,063 13 4	
....	..	Certain survey numbers of Kilakkuchettipatty village.	·018	..	..	
Vaiyur tank block	0·247	....	..	..	..	
Naranapuram block	0·439	....	..	..	(*c*)	
Ladan tottam	0·016	....	..	..		
Total ..	0·702	Total ..	..	..	..	

(*c*) No expenditure was incurred as the settlement was made by the local Divisional officers.

Form No. 46.

Forest Department, Madras Presidency.

Record of Demarcation and Maintenance of Boundaries.

District.	Length of boundaries artificially demarcated during the year.	Length of previously existing boundaries repaired.	Length of previously existing boundaries not repaired.	Total length of artificially marked boundaries at the close of the year.	Length of boundaries still to be demarcated at close of year.	Length of natural boundaries not requiring artificial marks.	Total length of boundaries at the close of the year.	Expenditure on demarcation during the year. On new work.	Expenditure on demarcation during the year. On repairs.
1	2	3	4	5	6	7	8	9	10
Northern Circle.	MILES.	MILES.	MILES.	MILES.	MILES.	MILES.	MILES.	RS.	RS.
Ganjám (*a*)	...	307 (*b*)322	534	1,163	...	80	(*p*)1,243	...	(*c*)923 —1*
Vizagapatam	57	208	185	450	(*d*) ...	...	450	372	...
Gódávari	115	941	130	1,186	11	218	(*f*)1,415	2,502 + (*e*)560	...
Kistna	5	14	474	493	4	41	538	133 (*e*)389 (*g*)240	68
Guntúr	68	36	1,260	1,364	...	...	1,364	782 (*e*)893 (*g*)72	213 —17*
Kurnool, East	90	300	723	1,113	19	79	1,211	854	(*h*)309
Do. West	244	256	400	900	71	86	1,057	3,219	(*h*)102
Bellary (*i*)	22	65	1,591	1,678	48	...	1,726	(*h*)114	126 —15*
Anantapur (*j*)	19	114	1,186	1,319	(*k*) ...	...	1,319	148	1,510
Total, Northern Circle ...	620	2,241 (*b*)322	6,483	9,666	153	504	10,323	10,278	3,218
Central Circle.									
Cuddapah	16	30	3,462	3,508	34	...	3,542	(*h*)100 (*l*)57	78
Nellore (*m*)	79	24 (*b*)1,954	...	2,057	17	84	2,158	558	66 —(*r*)21
Chingleput	...	703	221	924	...	...	924	...	67 (*g*)273 (*b*)512
North Arcot	7	5 (*b*)2,363	59	2,434	...	44	2,478	(*n*)40 18	41
South Arcot	27	20 (*b*)689	1,516	2,252	110	...	2,362	(*q*)536 (*h*) 22	296 +1*
North Salem	30	1,087	212	(*o*)1,329	66	39	1,434	494	52 —1*
South Salem	9	158 (*b*)880	175	1,222	11	5	1,238	(*n*)73 (*g*)140 74	79
Tanjore	...	...	79	79	...	...	79	...	21
Trichinopoly	100	444	609	1,153	116	33	1,302	1,400	504
Total, Central Circle ...	268	2,471 (*b*)5,886	6,333	14,958	354	205	15,517	3,512	1,968
Southern Circle.									
South Canara	294	1	2,776	3,071	434	110	3,615	(*h*) 2,511	7
North Malabar	382	639	...	1,021	90	26	1,137	315	4,054 —162*
South do.	...	7	161	168	27	112	307	...	26
The Nilgiris	84	51	1,429	1,564	20	255	1,839	966	(*h*) 708
North Coimbatore (*s*)	90	8	994	1,092	2	223	1,317	(*h*) 647	240
South do.	...	12	503	515	...	77	592	...	142 (*g*) 70
Madura	15	122 (*b*) 410	1,007	1,554	38	149	(*p*) 1,732	120	3,822 —(*r*) 217
Tinnevelly	...	...	557	557	25	17	599	400	82
Total, Southern Circle ...	865	840 (*b*) 410	7,427	9,542	636	960	11,138	4,959	8,772
Grand Total ...	1,753	5,552 (*b*) 6,618	20,243	34,166	1,143	1,669	36,978	18,749	13,958

N.B.—Boundaries include, beside the outer perimeter, the limits of enclosures of private or other lands within the forests, but not the limits of sub-divisions, such as blocks, compartments, coupes.

* Added or deducted as per Accountant-General's audited figures.

(*a*) The variation between the total of the figures in columns 3 and 4 and column 5 of the previous year's return is reported to be due to the addition in column 3 of 10 miles length of boundary which had really been demarcated to some extent previously.

(*b*) Cleared by the Forest subordinates free of cost.

(*c*) Includes Rs. 112 spent on demarcation of reserved lands and of interior boundaries.

(*d*) The figure 107 miles entered in column 6 of the previous year's return is reported to be incorrect and the correct length is said to be 57 miles—*vide* entry in column 2 of this year's return.

(*e*) Establishment charges.

(*f*) Total length as entered in column 8 of the previous return was 1,548 miles. The difference of 133 miles is said to be due to the transfer of the portion to the Kistna district.

(*g*) Cost of cutting coupe and compartment lines.

(*h*) Includes or represents cost of cairns.

(*i*) The variation between the total of the figures in columns 3 and 4 and the figure in column 5 of the previous year's return is due partly to the rectification of boundaries of certain blocks and partly to the exclusion in the return the length of grazing blocks wrongly included in previous year's return.

(*j*) The variation between the total of the figures in columns 3 and 4 and the figure in column 5 of the previous year's return is due to the adoption of revised figures.

(*k*) The correct figure cannot be entered as mistakes are being frequently discovered.

(*l*) Represents expenditure incurred on the demarcation of certain land.

(*m*) The variation between the total of the figures in columns 3 and 4 and the figure in column 5 of the previous year's return is due to the exclusion in the return for the year under review of 19 miles, being the length of the boundary lines of the reserves of the Ongole taluk transferred to the new Guntúr district.

(*n*) Cost of rectification of boundaries.

(*o*) Incorrectly entered in the district return as 1,105. The figures in column 8 have been revised accordingly.

(*p*) Revised figure.

(*q*) Includes cost of slabs for the 27 miles demarcated and demarcation of tope.

(*r*) Represents expenditure under sub-head A-II or cash rocovery or both.

(*s*) The variation between the total of the figures in columns 3 and 4 and the figure in column 5 of the previous year's return is due to the adoption of revised figures.

Form No. 47.

Forest Department, Madras Presidency.

Statement of Forest Areas surveyed and under survey during the year 1904–1905.

District.	Areas surveyed and under survey during the year 1904–1905.															
	Special Surveys—Maps on 4-inch scale or over by Survey of India Department or Madras Survey.								Ordinary, included in district surveys.							
	With interior details.					Boundary surveys.			With interior details.					Boundary surveys.		
	With details of growing stock.		Without details of growing stock.						With details of growing stock.		Without details of growing stock.					
	Previous.	Of year.	Previous.	Of year.	Total cost.	Previous.	Of year.	Total cost.	Previous.	Of year.	Previous.	Of year.	Total cost.	Previous.	Of year.	Total cost.
1	2	3	4	5	6.	7	8	9	10	11	12	13	14	15	16	17
Northern Circle.	S. MLS.		S. MLS.	S. MLS.	RS.	L. MLS.		RS.			S. MLS.			L. MLS.	L. MLS	
Ganjám	..	..	..	..	..	390	..	1,334	390	..	..	..	..	..	..	..
Vizagapatam	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Gódávari	..	..	192	..	19,677	252	..	795	..	..	..	..	..	..	..	..
Kistna	..	..	..	1,568	20	..	..	..	..	..	..	..	..	..	..	..
Guntúr	..	..	77	..	3,540	27	..	341	..	..	52	..	..	118	..	..
Kurnool, East .. .. }	..	..	2,617	..	11,717	1,015	..	..	..	..	..	..	..	..	..	..
,, West .. .. }																
Bellary	..	..	..	..	..	..	..	..	..	..	601	..	..	..	..	..
Anantapur	..	..	168	..	..	..	..	..	..	..	188	..	..	..	..	..
Total, Northern Circle ..	..	..	3,054	1,568	34,954	1,684	..	2,470	390	..	841	..	..	118	..	..
Central Circle.																
Cuddapah	..	..	2,213	..	..	..	..	..	..	..	..	..	..	..	..	..
Nellore	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Chingleput	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
North Arcot	..	..	1,193	..	..	..	..	..	..	..	..	..	..	..	..	..
South ,, ...	..	..	217	..	8,829	82	..	..	..	..	441	..	..	..	..	..
North Salem	..	..	808	..	..	..	..	..	..	..	21	..	..	..	..	..
South ,, ...	..	..	702	..	..	..	..	..	..	..	..	..	..	26	..	..
Trichinopoly	..	..	66	..	25,000	9	..	..	..	..	..	..	..	301 S.M.	9	..
Tanjore	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Total, Central Circle ..	..	..	5,199	..	33,829	91	..	..	..	..	462	..	..	26 301 S.M.	9	..
Southern Circle.																
South Canara	..	..	926	..	14,750	565	..	470	..	..	..	..	..	..	..	..
North Malabar	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
South ,, ...	1	..	33	..	..	..	..	..	..	..	1	..	..	..	..	..
The Nilgiris	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
North Coimbatore ..	..	..	1,648	..	4,839	311	..	96	..	..	..	..	..	..	..	..
South ,, ...	..	..	657	..	..	..	..	..	..	..	5	..	..	..	..	..
Madura	..	..	607	..	..	..	..	..	..	..	..	..	..	..	..	..
Tinnevelly	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Total, Southern Circle ..	1	..	3,871	..	19,589	876	..	566	..	..	6	..	..	..	..	..
Grand Total, Presidency.	1	..	12,124	1,568	88,372	2,651	..	3,036	390	..	1,309	..	..	144 301 S.M.	9	..

Statement of Forest Areas surveyed and under survey during the year 1904–1905—*cont.*

District.	Areas surveyed and under survey during the year 1904–1905—*cont.* — Chain and compass or other surveys by local officers. — With interior details. — 4-inch or over. — Previous.	With interior details. — 4-inch or over. — Of year.	With interior details. — Under 4-inch. — Previous.	With interior details. — Under 4-inch. — Of year.	With interior details. — Total cost.	Boundary surveys. — Previous.	Boundary surveys. — Of year.	Boundary surveys. — Total cost.	Areas to remaining be taken under survey.	Total forest area at end of year, as per Form No. 44.	Cost. — Previous.	Cost. — Of year.	Cost. — Entry cost of all surveys to end of the year.
	18	19	20	21	22	23	24	25	26	27	28	29	30
Northern Circle.	S. MLS.	S. MLS.	S. MLS	S. MLS.	RS.	L. MLS.	L. MLS.	RS.	S. MLS.	S. MLS.	RS.	RS.	RS.
Ganjám	53	..	..	..	..	1,221	87	553	..	538	16,446	553	16,999
Vizagapatam	29	..	..	..	..	..	..	..	..	298	2,150	..	2,150
Gódávari	1	..	26	..	6	540	..	1,549	376	867	27,770	1,332	29,102
Kistna	..	15	..	..	24	..	78	53	..	280	9,118	728	9,846
Guntúr	85	19	..	..	778	..	22	16	..	814	11,231	699	11,930
Kurnool, East .. .. }	5	8	..	..	530	..	53	130	..	{ 1,155	} 1,44,964	992	1,45,956
,, West .. .. }										{ 1,380			
Bellary	..	..	..	..	..	..	..	..	..	601	1,331	360	1,691
Anantapur	154	..	..	..	..	..	..	..	..	510	369	80	449
Total, Northern Circle ..	327	42	26	..	1,338	1,761	240	2,301	376	6,443	2,13,379 {	4,744 * + 52,255	2,18,123 *+52,255
Central Circle.													
Cuddapah	..	..	..	..	..	..	..	..	..	2,241	1,08,572	360	1,08,932
Nellore	..	..	..	..	..	..	..	..	..	734	1,540	373	1,913
Chingleput	..	..	..	..	..	..	..	..	..	214	801	359	1,160
North Arcot	97	..	..	..	..	..	..	..	..	1,290	17,592	357	17,949
South ,, ...	6	..	..	..	52	..	..	..	..	663	9,381	231	9,612
North Salem	..	..	..	..	..	3	..	..	3	832	18,752	1,160	19,912
South ,, ...	..	..	..	..	243	5	4	788	31	728	17,999	785	18,784
Trichinopoly	1	..	..	..	..	108	21	360	181	310	25,720	360	26,080
Tanjore	20	..	..	..	..	..	..	..	..	20	..	..	..
Total, Central Circle ..	124	..	..	..	295	116	25	1,148	215	7,032	2,00,357 {	3,985 *+ 156	2,04,342 *+156
Southern Circle.													
South Canara	..	..	..	..	..	879	12	..	..	674	44,044	841	44,885
North Malabar	..	..	..	..	..	37	..	..	235	235	1,551	60	1,611
South ,, ...	..	..	..	..	..	183	..	..	183	218	1,765	115	1,880
The Nilgiris	..	..	..	..	..	..	..	..	..	412	759	360	1,119
North Coimbatore ..	..	..	..	..	..	..	..	..	..	1,378	82,531	287	82,818
South ,, ..	..	..	..	..	..	..	..	..	..	662	4,259	1,289	5,548
Madura	..	..	..	..	..	9	52	..	..	616	405	386	791
Tinnevelly	..	..	..	..	..	..	..	..	..	437	843	360	1,203
Total, Southern Circle ..	..	..	..	..	..	1,108	64	..	418	4,632	1,36,157 {	3,698 *+31,704	1,39,855 *+31,704
Grand Total, Presidency.	451	42	26	..	1,633	2,985	329	3,449	1,009	18,107	5,49,893 {	12,427 *+ 84,115	5,62,320 *+84,115

* Represents the charges incurred under A-viii (*c*) (2) "Surveys—India."

ANNUAL FORM No. 48.

Forest Department, Madras Presidency.

PROGRESS made in working-plans during 1904–1905.

District.	Areas for which working-plans have been completed and approved by the Board. At commencement of year.	Areas for which working-plans have been completed and approved by the Board. During year.	Areas for which working-plans are being compiled or have been compiled but not sanctioned. At commencement of year.	Areas for which working-plans are being compiled or have been compiled but not sanctioned. Taken in hand during year.	Areas for which working-plans have still to be taken in hand.	Total forest area as in Form No. 44.	Entire cost per square mile of working-plans completed. ‖	Remarks.
1	2	3	4	5	6	7	8	9
Northern Circle.	SQ. MLS.	SQ. MLS.	SQ. MLS.	SQ. MLS.	SQ. MLS.	SQ. MLS.	RS.	
Ganjám	* 321	130	..	..	147	598	80	
Vizagapatam	144	..	..	119	82	345	..	
Gódávari	† 378	..	259	..	306	943	223	
Kistna	23	35	33	..	189	280	..	
Guntúr	8	.	‡ ..	2	804	814	..	
Kurnool, East	158	..	..	..	998	1,156	..	
Kurnool, West	77	..	279	319	817	1,492	141	
Bellary	12	90	153	38	394	687	..	
Anantapur	230	203	..	..	88	521	..	
Total ..	1,351	458	724	478	3,825	6,836	444	
Central Circle.								
Cuddapah	..	..	3	..	2,355	2,358	4	
Nellore	212	6	347	‡ ..	173	738	170	
Chingleput	..	..	214	‡ ..	..	214	..	
North Arcot	518	430	339	..	3	1,290	690	
South Arcot	321	..	194	..	148	663	..	
North Salem	210	§ 42	293	378	..	923	..	
South Salem	327	** 110	111	..	185	733	245	
Tanjore	4	..	5	..	11	20	..	
Trichinopoly	1	..	37	..	277	315	..	
Total ..	1,593	588	1,543	378	3,152	7,254	1,109	
Southern Circle.								
South Canara	†† 662	..	..	..	405	1,067	..	
North Malabar	178	..	..	..	80	258	..	
South Malabar	* 30	‡ ..	..	..	254	284	215	
The Nilgiris	16	..	..	..	483	499	126	
North Coimbatore ..	423	..	..	..	1,237	1,660	..	
South Coimbatore ..	234	..	..	100	328	662	..	
Madura	* 351	..	..	225	92	668	..	
Tinnevelly	240	..	..	33	165	438	19	
Total ..	2,134	..	..	358	3,044	5,536	360 ¶ +205	
Grand Total ..	5,078	1,046	2,267	1,214	10,021	19,626	2,118	

* Revised figure reported by Collector.

† The difference between the figure entered in column 2 of the previous year's return and that entered in column 2 of this is due to the transfer of the areas comprised in the Upputeru and Narasapur plantation working-plans to Kistna.

‡ Less than 1 square mile.

§ The Tiruppattur Sandalwood working-plan approved in Board's Proceedings, No. 172, dated 20th August 1904, *i.e.*, subsequent to the year 1903-1904, the area of which was wrongly entered in column 3 of the previous year's return.

‖ The figures in this column represent the total expenditure incurred during the year under A-VIII (*d*).

¶ Expenditure incurred under A-VIII-D, Direction, Southern Circle.

** Revised area of the Salem East Range working-plan sanctioned during the year.

†† Baindur reserve was originally included in the working-plan sanctioned for the Coondapoor range. A separate working-plan has been sanctioned for it during the year under report.

ANNUAL

Forest Department,

COMMUNICATIONS

District.	New work undertaken during the year.					
	Buildings.		Roads and paths.			Total expenditure on new work.
	Description of building.	Expenditure incurred.	Road or path and object of the same.	Length of road or path.	Expenditure incurred.	
1	2	3	4	5	6	7
						Northern
		RS.		MLS.	RS.	RS.
Direction ..	....	..	....	..	..	..
Ganjám ..	(*a*) Head-quarter houses ..	4	(*a*) Cart-roads	..	24	..
	(*b*) Rest houses	1,631	(*b*) Bridle-paths	34	165	..
	(*c*) Houses for subordinate establishments	355				
	Total, Ganjám ..	1,990	Total ..	34	189	2,179
Vizagapatam.	(*a*) Head-quarter houses ..	825	....	..	..	..
	(*d*) Others	50				
	Total, Vizagapatam ..	875	Total ..	..	..	875
Gódávari ..	(*a*) Head-quarter houses ..	15	(*a*) Cart-roads	..	3,804	
	(*b*) Rest-houses	446	(*c*) Others	..	50	
	(*c*) Houses for subordinate establishments	1,418				
	Total, Gódávari ..	1,879	Total ..	..	3,854	5,733
Kistna ..	....		(*a*) Cart-roads	2	105	
	Total, Kistna ..	..	Total ..	2	105	105
Guntúr ..	(*b*) Rest-houses	1,063	(*a*) Cart-roads	5	306	
	(*c*) Houses for subordinate establishments	45				
	(*d*) Others	23				
	Total, Guntúr ..	1,131	Total ..	5	306	1,437
Kurnool East.	(*b*) Rest-houses	226	(*a*) Cart-roads	..	273	..
	(*c*) Houses for subordinate establishments	858				
	Total, Kurnool East ..	1,084	Total ..	..	273	1,357

FORM No. 49.

Madras Presidency.

and Buildings.

Repairs executed during the year.					
Buildings.		Roads and paths.			Total expended on repairs.
Nature of repairs.	Expenditure incurred.	Nature of repairs.	Length repaired.	Expenditure incurred.	
8	9	10	11	12	13
Circle.					
	RS.		MLS.	RS.	RS.
(a) Head-quarter houses	60	....	..	..	60
(a) Head-quarter houses	78	(a) Cart-roads	11	112	..
(b) Rest-houses	1,650	(b) Bridle-paths	8	20	..
(c) Houses for subordinate establishments	485		19	132	2,345
		Add A-VII (c) ..	..	..	160
Total ..	2,213	Total ..	19	132	2,505
(a) Head-quarter houses	39	(a) Cart-roads	10	136	447
(b) Rest-houses	124				
(c) Houses for subordinate establishments	127	Add A-VII (c) ..	..	..	20
(d) Others	21				
Total ..	311	Total ..	10	136	467
(a) Head-quarter houses	107	(a) Cart-roads	..	361	3,895
(b) Rest-houses	1,423				
(c) Houses for subordinate establishments	515				
Pay of watchers	1,489	Add A-VII (c) ..	..	..	2,174
Total ..	3,534	Total ..	..	361	6,069
(b) Rest-houses	9	(a) Cart-roads	14	87	337
(c) Houses for subordinate establishments	72	Add A-VII (c) ..	..	..	1,134
(d) Others	121				
Pay of watchers	48				
Total ..	250	Total ..	14	87	1,471
(b) Rest-houses	213	....	..	..	541
(c) Houses for subordinate establishments	24	Add A-VII (c) ..	..	..	369
Pay of watchers	313				
Total ..	550 — 9 *	Total ..	..	..	910
(b) Rest-houses	44	(a) Cart-roads	39	748	1,287
(c) Houses for subordinate establishments	84				
Pay of watchers	411	Add A-VII (c) ..	..	..	91
Total ..	539	Total ..	39	748	1,378

* Cash recovery.

Communications.

District.	New work undertaken during the year. Buildings. Description of building.	Expenditure incurred.	Roads and paths. Road or path and object of the same.	Length of road or path.	Expenditure incurred.	Total expenditure on new work.
1	2	3	4	5	6	7
						Northern
		RS.		MLS.	RS.	RS.
Kurnool, West.	(a) Head-quarter houses ..	1,242	(a) Cart-roads	14	14	4,847
	(b) Rest-houses	58				
	(c) Houses for subordinate establishments	2,982				
	(d) Others	551				
	Total, Kurnool, West ..	4,833	Total ..	14	14	4,847
Bellary ..	(a) Head-quarter houses ..	345	(a) Cart-roads	8	334	..
	Total, Bellary ..	345	Total ..	8	334	679
Anantapur ..	(a) Head-quarter houses ..	1,064	(a) Cart-roads	6	623	..
	(b) Rest-houses	903				
	(d) Others	1,447				
	Total, Anantapur ..	3,414	Total ..	6	623	4,037
Total, Northern Circle.	(a) Head-quarter houses ..	3,495	(a) Cart-roads	35	5,483	..
	(b) Rest-houses	4,327	(b) Bridle-paths	34	165	..
	(c) Houses for subordinate establishments	5,658	(c) Others	..	50	..
	(d) Others	2,071				
	Grand Total, Northern Circle ..	15,551	Grand Total ..	69	5,698	21,249
						Central
Direction ..	Total ..	..	Total ..	..	..	..
Cuddapah ..	(a) Head-quarter houses ..	30	(a) Cart-roads	..	16	..
	(c) Houses for subordinate establishments	56				
	(d) Others	190				
	Total, Cuddapah ..	276	Total ..	..	16	292
Nellore ..	(a) Head-quarter houses ..	904	....	..	..	3,070
	(b) Rest-houses	1,887	....	..	..	..
	(c) Houses for subordinate establishments	29	....	..	..	..
	(d) Others	250				
	Total, Nellore ..	3,070	Total ..	..	..	3,070
Chingleput ..	(b) Rest-houses	416	....			
	(c) Houses for subordinate establishments	44	....	..	..	..
				..	..	..
	Total, Chingleput ..	460	Total ..	..	..	460
North Arcot ..	(b) Rest-houses	1,350	(a) Cart-roads	3	516	..
	(c) Houses for subordinate establishments	1,077	....	..	..	..
	(d) Others	379	....	..	..	..
	Total, North Arcot ..	2,806	Total ..	3	516	3,322

and Buildings—*cont.*

Repairs executed during the year.					
Buildings.		Roads and paths.			Total expended on repairs.
Nature of repairs.	Expenditure incurred.	Nature of repairs.	Length repaired.	Expenditure incurred.	
8	9	10	11	12	13
Circle —cont.					
	RS.		MLS.	RS.	RS.
(b) Rest-houses	245	....	..	..	675
(c) Houses for subordinate establishments	67	Add A-VII (c) ..	..	..	..
Pay of watchers	363				
Total ..	675	Total ..	..	..	675
(a) Head-quarter houses	37				
(b) Rest-houses	349	(a) Cart-roads	6	42	605
(c) Houses for subordinate establishments	117	Add A-VII (c) ..	..	..	446
Pay of watchers	60				
Total ..	563	Total ..	6	42	1,051
(a) Head-quarter houses	283	(a) Cart-roads	10	298	..
(b) Rest-houses	299	(b) Bridle-paths	3	100	..
Pay of watchers and contingencies ..	1,154				
			13	398	2,134
Total ..	1,736	Add A-VII (c) ..	..	..	1,032
(a) Head-quarters houses	604	Total ..	13	398	3,166
(b) Rest-houses	4,356				
(c) Houses for subordinate establishments	1,491	(a) Cart-roads	90	1,784	..
		(b) Bridle-paths	11	120	..
(d) Others	142	(c) Others	..	..	..
Pay of watchers	3,829				
			101	1,904	12,326
		Add A-VII C ..	..	..	5,426
Grand Total ..	10,422	Grand Total ..	101	1,904	17,752
Circle.					
Total ..	12	Total ..	..	..	12
(a) Head-quarter houses	20	(a) Cart-roads	..	35	1,324
(b) Rest-houses	515	Add A-VII (c) ..	..	..	993
(c) Houses for subordinate establishments	490				
Pay of watchers	264				
Total ..	1,289	Total ..	..	35	2,317
(b) Rest-houses	43	....	..	..	353
(c) Houses for subordinate establishments	4	Add A-VII (c) ..	..	..	150
Pay of watchers	306				
Total ..	353				
		Total ..	..	..	503
(b) Rest-houses	111	(a) Cart-roads	..	226	401
(c) Houses for subordinate establishments	4	Add A-VII (c) ..	..	..	151
Pay of watchers	60				
Total ..	175	Total ..	..	226	552
		(a) Cart-roads	110	1,055—15*	..
(a) Head-quarter houses	149	(b) Bridle-paths	31	206	..
(b) Rest-houses	1,096				
			141	1,246	3,567
(c) Houses for subordinate establishments	96				
Pay of watchers	1,012—32*	Add A-VII (c) ..	..	..	287
Total ..	2,321	Total ..	141	1,246	3,854

* Cash recovery.

(a) Deducted as per Accountant-General's audited figures.

Communications

District.	New works undertaken during the year 1904–1905. Buildings. Description of building.	Expenditure incurred.	Roads and paths. Road or path and object of the same.	Length of road or path.	Expenditure incurred.	Total expenditure on new work.
1	2	3	4	5	6	7
						Central
		RS.		MLS.	RS.	RS.
South Arcot ..	....	..	....	..	..	
North Salem..	(*b*) Rest-houses	1,626	(*a*) Cart-roads	..	1,046	..
	(*c*) Houses for subordinate establishments	295				
	(*d*) Others	599				
	Total, North Salem ..	2,520	Total ..	..	1,046	3,566
South Salem ..	(*a*) Head-quarter-houses ..	183	(*c*) Others	..	72	..
	(*b*) Rest-houses	270				
	Total, South Salem ..	453	Total ..	..	72	525
Tanjore ..	....	..	....	..	..	..
	Total, Tanjore ..	..	Total ..	..	..	..
Trichinopoly..	(*b*) Rest-houses	67				
	(*d*) Others	20				
	Total, Trichinopoly ..	87	Total ..	..	..	87
Total, Central Circle.	(*a*) Head-quarter houses ..	1,117	(*a*) Cart-roads	3	1,578	..
	(*b*) Rest-houses	5,616	(*c*) Others	..	72	..
	(*c*) Houses for subordinate establishments	1,501				
	(*d*) Others	1,438				
	Grand Total, Central Circle ..	9,672	Total ..	3	1,650	11,322
						Southern
South Canara.	(*a*) Head-quarter houses ..	350	(*a*) Cart-roads	5	139	..
	(*b*) Rest-houses	427				
	(*c*) Houses for subordinate establishments	792–136* = 656				
	Total, South Canara ..	1,433	Total ..	5	139	1,572
North Malabar.	(*b*) Rest-houses	907	(*a*) Cart-roads	20	708	..
	(*c*) Houses for subordinate establishments	2,891				
	Total, North Malabar ..	3,798	Total ..	20	708	4,506
South Malabar.	(*a*) Head-quarter houses ..	906	(*b*) Bridle-paths	2	95	..
	(*b*) Rest-houses	302				
	(*c*) Houses for subordinate establishments	2,718				
	Total, South Malabar ..	3,926	Total ..	2	95	4,021
The Nilgiris ..	(*b*) Rest-houses	661	(*a*) Cart-roads	10	415	..
	Total, The Nilgiris ..	661	Total ..	10	415	1,076

* Amount recovered during the current year.

and Buildings—*cont.*

Repairs executed during the year 1904–1905.					
Buildings.		Roads and paths.			Total expended on repairs.
Nature of repairs.	Expenditure incurred.	Nature of repairs.	Length repaired.	Expenditure incurred.	
8	9	10	11	12	13
Circle—cont.					
	RS.		MLS.	RS.	RS.
(*b*) Rest-houses	146	(*b*) Bridle-paths	7	179	848
(*c*) Houses for subordinate establishments	155				
Pay of watchers	368	Add A-VII (*c*) ..	..	..	8
Total ..	669	Total ..	7	179	856
(*a*) Head-quarter houses	206	(*a*) Cart-roads	..	212	456
(*b*) Rest-houses	38				
		Add A-VII (*c*) ..	..	..	955
Total ..	244	Total ..	..	212	1,411
(*a*) Head-quarter houses	109	(*a*) Cart-roads	..	462	905
(*b*) Rest-houses	294				
(*c*) Houses for subordinate establishments	40	Add A-VII (*c*) ..	..	..	109
Total ..	443	Total ..	..	462	1,014
(*b*) Rest-houses	27				
(*c*) Houses for subordinate establishments	2				
Total ..	29	Total ..	..	..	29
(*b*) Rest-houses	50		..	..	50
		Add A-VII (*c*) ..	..	..	28
Total ..	50	Total ..	..	..	78
(*a*) Head-quarter houses	496	(*a*) Cart-roads	110	1,975	..
(*b*) Rest-houses	2,320	(*b*) Bridle-paths	38	385	..
(*c*) Houses for subordinate establishments	791		148	2,360	7,945
Pay of watchers	1,978				
		Add A-VII (*c*) ..	..	..	2,681
Total ..	5,585	Total ..	148	2,360	10,626
Circle.					
(*a*) Head-quarter houses	55	(*a*) Cart-roads	11	56	393
(*b*) Rest-houses	190				
(*c*) Houses for subordinate establishments	7				
Pay of watchers	85	Add A-VII (*c*) ..	..	..	1,352
Total ..	337	Total ..	11	56	1,745
(*a*) Head-quarter houses	349	(*a*) Cart-roads	31	1,234	..
(*b*) Rest-houses	540	(*c*) Others	..	243	..
			31	1,477	2,366
		Add A-VII (*c*) ..	..	..	128
Total ..	889	Total ..	31	1,477	2,494
(*a*) Head-quarter houses	281	(*a*) Cart-roads	21	654	..
(*b*) Rest-houses	74	(*b*) Bridle-paths	52	152	..
(*c*) Houses for subordinate establishments	234		73	806	1,395
		Add A-VII (*c*) ..	..	..	1,430
Total ..	589	Total ..	73	806	2,825
(*b*) Rest-houses	858	(*a*) Cart-roads	89	2,244	3,102
		Add A-VIII (*c*) ..	..	..	124
Total ..	858	Total ..	89	2,244	3,226

Communications.

District.	New works undertaken during the year 1904–1905.					
	Buildings.		Roads and paths.			Total expenditure on new work.
	Description of building.	Expenditure incurred.	Road or path and object of the same.	Length of road or path.	Expenditure incurred.	
1	2	3	4	5	6	7
						Southern
		RS.		MLS.	RS.	RS.
North Coimbatore.	(*d*) Others	1,037	(*a*) Cart-roads	15	3,578	..
	Total, North Coimbatore ..	1,037	Total ..	15	3,578	4,615
South Coimbatore.	(*a*) Head-quarter houses ..	59	(*a*) Cart-road	..	27	..
	(*b*) Rest-houses	204	(*b*) Bridle-paths	..	25	..
	(*c*) Houses for subordinate establishments	1,436				
	(*d*) Others	256				
	Total, South Coimbatore ..	1,955	Total ..	..	52	2,007
Madura ..	(*a*) Head-quarter houses ..	230	(*a*) Cart-roads	..	3,106	..
	(*b*) Rest-houses	3,723	(*b*) Bridle-paths	15	1,500	..
					−22*	..
	(*c*) Houses for subordinate establishments	50				
	Total, Madura ..	4,003	Total ..	15	4,584	8,587
Tinnevelly ..	(*b*) Rest-houses	3,059	(*a*) Cart-roads	10	949	..
	(*c*) Houses for subordinate establishments	183	(*b*) Bridle-paths	3	1,007	..
	Total, Tinnevelly ..	3,242	Total ..	13	1,956	5,198
Total, Southern Circle.	(*a*) Head-quarter houses ..	1,545	(*a*) Cart-roads	60	8,922	
	(*b*) Rest-houses	9,283	(*b*) Bridle-paths	20	2,605	
	(*c*) Houses for subordinate establishments	7,934				
	(*d*) Others	1,293				
	Grand Total, Southern Circle ..	20,055	Grand Total ..	80	11,527	31,582
Total, Presidency.	(*a*) Head-quarter houses ..	6,157	(*a*) Cart-roads	98	15,983	
	(*b*) Rest-houses	19,226	(*b*) Bridle-paths	54	2,770	
	(*c*) Houses for subordinate establishments	15,093	(*c*) Others	..	122	
	(*d*) Others	4,802				
	Grand Total, Presidency ..	45,278	Total ..	152	18,875	64,153

* Cash recovery.

and Buildings—*cont.*

Repairs executed during the year 1904–1905.					
Buildings.		Roads and paths.			Total expended on repairs.
Nature of repairs.	Expenditure incurred.	Nature of repairs.	Length repaired.	Expenditure incurred.	
8	9	10	11	12	13
Circle—cont.					
	RS.		MLS.	RS.	RS.
(a) Head-quarter houses	526	(a) Cart-roads	..	(a)8,598	..
(b) Rest-houses	158				
(c) Houses for subordinate establishments	389		..	8,598	10,172
Pay of watchers	501	Add A-VII (c) ..	..	..	1,015
Total ..	1,574	Total ..	..	8,598	11,187
(a) Head-quarter houses	780	(a) Cart-roads	23	2,458	..
(b) Rest-houses	1,388	(b) Bridle-paths	..	72	..
(c) Houses for subordinate establishments	643		23	2,530	5,687
(d) Others	346	Add A-VII (c) ..	..	..	1,248
Total ..	3,157	Total ..	23	2,530	6,935
					887
(b) Rest-houses	497				
(c) Houses for subordinate establishments	45	Add A-VII (c) ..	..	..	277
Pay of watchers	345				
Total ..	887	Total ..	..	..	1,164
(b) Rest-houses	804	(a) Cart-roads	85	2,372	..
(c) Houses for subordinate establishments	367	(b) Bridle-paths	28	428	..
			113	2,800	3,971
		Add A-VII (c) ..	..	..	10
Total ..	1,171	Total ..	113	2,800	3,981
(a) Head-quarter houses	1,991	(a) Cart roads	260	17,616	
(b) Rest-houses	4,509	(b) Bridle-paths	80	652	
(c) Houses for subordinate establishments	1,685	(c) Others	0	243	
(d) Others	346				
Pay of watchers	931				
			340	18,511	27,973
		Add A-VII (c) ..	..	..	5,584
Total ..	9,462	Total ..	340	18,511	33,557
(a) Head-quarter houses	3,091	(a) Cart-roads	460	21,375	
(b) Rest-houses	11,185	(b) Bridle-paths	129	1,157	
(c) Houses for subordinate establishments	3,967	(c) Others	0	243	
(d) Others	488		589	22,775	48,244
Pay of watchers	6,738	Add A-VII (c) ..	..	..	13,691
Total ..	25,469	Total ..	589	22,775	61,935

(a) Of this amount, Rs. 6,100 represent the pay of road coolies.

ANNUAL

Forest Department,

REGISTER of Breaches of

District.		Cases pending from 1903–1904.	New cases of the year. Injury to forests by fire.	Un-authorized felling or appropriation of wood and minor forest produce.	Grazing without permission or in tracts in which grazing is prohibited.	Other offences.	Total new cases of the year.	Total cases.
1		2	3	4	5	6	7	8
								Northern
Ganjám	A	* 60	2	217	47	12	278	338
	B	* 19	..	109	11	4	124	143
	C	..	3	47	1	..	51	..
	Total	79	5	373	59	16	453	481
Vizagapatam	A	6	1	17	..	..	18	24
	B	42	..	197	49	6	252	294
	C	..	10	..	..	..	10	..
	Total	48	11	214	49	6	280	318
Godávari	A	21	5	119	17	17	158	179
	B	18	..	93	20	4	117	135
	C	..	26	2	..	..	28	..
	Total	† 39	31	214	37	21	303	314
Kistna	A	5	..	58	34	4	96	101
	B	10	..	192	186	4	382	392
	C	..	3	..	..	..	3	..
	Total	‡ 15	3	250	220	8	481	493
Guntur	A	2	..	12	21	11	44	46
	B	34	..	185	106	9	300	334
	C	..	4	1	..	..	5	..
	Total	‡ 36	4	198	127	20	349	380
Kurnool, East	A	..	1	124	98	20	243	243
	B	..	..	114	112	90	316	316
	C	..	6	13	6	2	27	..
	Total	..	7	251	216	112	586	559
Kurnool, West	A	§ 92	1	292	66	13	372	464
	B	33	..	220	210	4	434	467
	C	..	..	96	39	8	143	..
	Total	125	1	608	315	25	949	931
Bellary	A	132	1	66	34	4	105	237
	B	77	..	460	246	20	726	803
	C	..	64	..	..	..	64	..
	Total	209	65	526	280	24	895	1,040

A. Cases taken into Court. B. Cases compounded. C. Cases undetected.

* Variations between the closing balance of 1903–1904 and these figures are due to transfers between A and B.

† The difference in the opening balance is explained to be due to the omission of the 2 cases in the Ellore range which was transferred to Kistna district.

Form No. 50.

Madras Presidency.

Forest Rules during 1904–1905.

Circle.	Disposed of during the year. Convictions. Cases.	Convictions. Persons.	Acquittals. Cases.	Acquittals. Persons.	Total. Cases.	Total. Persons.	Cases pending at close of year.
	9	10	11	12	13	14	15
	181	567	32	176	213	743	50
					75	294	
	136	383	..	..	136	383	7
	..	..	..	..	..	..	..
	317	950	32	176	349	1,126	57
					‖ 75	294	
	19	37	..	..	19	37	5
	252	458	..	..	252	458	26
					‖ 16	65	
	..	..	..	..	..	..	..
	271	495	..	..	271	495	31
					‖ 16	65	
	117	288	4	71	121	359	58
	85	227	..	..	85	227	6
					‖ 44	116	
	..	..	..	..	..	..	..
	202	515	4	71	206	586	64
					‖ 44	116	
	37	106	7	37	44	143	56
					‖ 1	1	
	292	724	..	..	292	724	80
					‖ 20	42	
	..	..	..	..	..	..	..
	329	830	7	37	336	867	136
					‖ 21	43	
	24	113	5	65	29	178	17
	131	508	..	..	131	508	65
					‖ 138	496	
	..	..	..	..	..	..	..
	155	621	5	65	160	686	82
					‖ 138	496	
	163	475	12	50	175	525	68
	306	789	..	..	306	789	10
	..	..	..	..	..	..	..
	469	1,264	12	50	481	1,314	78
	368	1,247	27	114	395	1,361	63
					‖ 6	20	
	428	1,061	..	..	428	1,061	35
					‖ 4	14	
	..	..	..	..	..	..	..
	796	2,308	27	114	823	2,422	98
					‖ 10	34	
	162	620	20	96	182	716	35
					‖ 20	28	
	512	1,883	..	..	512	1,883	173
					‖ 118	629	
	..	..	..	..	..	..	..
	674	2,503	20	96	694	2,599	208
					‖ 138	657	

‡ The totals of column 2 of Kistna and Guntúr amount to 51 against 47, the closing balance of the old Kistna district; and the difference is due to transfers of cases from other districts..

§ The difference between this figure and the closing balance of last year is said to be due to one case having been registered twice over last year.

‖ **Withdrawn under the orders of the District Forest-officer.**

Register of Breaches of Forest

District.		Cases pending from 1903-1904.	New cases of the year. Injury to forests by fire.	New cases of the year. Un-authorized felling or appropriation of wood and minor forest produce.	New cases of the year. Grazing without permission or in tracts in which grazing is prohibited.	New cases of the year. Other offences.	New cases of the year. Total new cases of the year.	Total cases.
1		2	3	4	5	6	7	8
Northern								
Anantapur ..	A	29	..	275	148	44	467	496
	B	11	..	153	137	7	297	308
	C	..	30	10	4	..	44	..
	Total ..	40	30	438	289	51	808	804
Total, Northern Circle.	A	347	11	1,180	465	125	1,781	2,128
	B	244	..	1,723	1,077	148	2,948	3,192
	C	..	146	169	50	10	375	..
Grand Total, Northern Circle ..		591	157	3,072	1,592	283	5,104	5,320
Central								
Cuddapah ..	A	* 52	2	116	72	13	203	255
	B	160	..	315	312	55	682	842
	C	† ..	‖ ..	..	..	..	..	..
	Total ..	212	2	431	384	68	885	1,097
Nellore	A	* 223	2	407	264	21	694	917
	B	67	1	535	145	15	696	763
	C	..	1	23	16	6	46	..
	Total ..	290	4	965	425	42	1,436	1,680
Chingleput ..	A	* 12	..	79	27	17	123	135
	B	71	..	412	141	12	565	636
	C	..	..	..	..	..	..	..
	Total ..	83	..	491	168	29	688	771
North Arcot ..	A	* 155	1	433	398	24	856	1,011
	B	47	..	669	542	34	1,245	1,292
	C	..	171	2	3	..	176	..
	Total ..	202	172	1,104	943	58	2,277	2,303
South Arcot ..	A	‡ 281	8	595	221	98	922	1,203
	B	‡ 388	..	1,295	692	140	2,127	2,515
	C	..	41	615	40	46	742	..
	Total ..	669	49	2,505	953	284	3,791	3,718
North Salem .	A	27	2	66	27	4	99	126
	B	64	2	453	304	26	785	849
	C	..	..	12	9	..	21	..
	Total ..	91	4	531	340	30	905	975

A. Cases taken into Court. B. Cases compounded. C. Cases undetected.

* Variations between the closing balance of 1903-1904 and the figures in this column are due to transfers from B to A.

† Reported as not known.

‖ Besides the 2 cases shown under A there occurred during the year in the specially protected blocks 87 cases of fires which it is reported by the Collector were not brought to this return as the offenders were undetected.

Rules during 1904–1905—*cont.*

Disposed of during the year.						Cases pending at close of year.
Convictions.		Acquittals.		Total.		
Cases.	Persons.	Cases.	Persons.	Cases.	Persons.	
9	10	11	12	13	14	15
Circle—cont.						
183	469	20	102	203 § 234	571 595	59
291	607	..	..	291 § 11	607 22	6
..	..	..	..	..	..	..
474	1,076	20	102	494 § 245	1,178 617	65
1,254	3,922	127	711	1,381 § 336	4,633 938	411
2,433	6,640	..	..	2,433 § 351	6,640 1,384	408
..	..	..	..	..	..	..
3,687	10,562	127	711	3,814 § 687	11,273 2,322	819
Circle.						
189	533	44	281	233	814	22
615	1,625	..	..	615 § 70	1,625 293	157
..	..	..	..	..	..	..
804	2,158	44	281	848 § 70	2,439 293	179
768	1,865	37	110	805 § 15	1,975 32	97
729	1,549	..	..	729 § 19	1,549 46	15
..	..	..	..	..	..	..
1,497	3,414	37	110	1,534 § 34	3,524 78	112
77	230	12	55	89 § 32	285 95	14
533	1,000	..	..	533	1,000	103
..	..	..	..	..	..	..
610	1,230	12	55	622 § 32	1,285 95	117
742	2,229	24	126	766 § 9	2,355 15	236
966	2,226	..	..	966 § 78	2,226 117	248
..	..	..	..	..	..	..
1,708	4,455	24	126	1,732 § 87	4,581 132	484
982	2,561	67	186	1,049 § 8	2,747 22	146
1,913	3,744	..	..	1,913 §302	3,744 582	300
..	..	..	..	..	..	..
2,895	6,305	67	186	2,962 § 310	6,491 604	446
97	342	11	68	108	410	18
688	1,586	..	..	688 § 61	1,586 144	100
..	..	..	..	..	..	..
785	1,928	11	68	796 § 61	1,996 144	118

‡ The variations are due to transfers from B to A and to undetected cases of previous year having been brought on to head B the offenders having since been traced; three hundred and sixty-eight undetected offences were pending enquiry at the close of the year 1904–1905.

§ Withdrawn under the orders of the District Forest-officer.

Register of Breaches of Forest

District.	Cases pending from 1903–1904.	New cases of the year. Injury to forests by fire.	Un-authorized felling or appropriation of wood and minor forest produce.	Grazing without permission or in tracts in which grazing is prohibited.	Other offences.	Total new cases of the year.	Total cases.
1	2	3	4	5	6	7	8
Central							
South Salem .. A	68	..	319	65	25	409	477
B	129	..	542	258	26	826	955
C	..	46	10	..	..	56	..
Total ..	197	46	871	323	51	1,291	1,432
Trichinopoly .. A	14	..	69	16	4	89	103
B	* 89	..	566	228	13	807	896
C	..	..	24	15	3	42	..
Total ..	103	..	659	259	20	938	999
Tanjore .. .. A	* 2	..	17	3	4	24	26
B	108	..	687	43	3	733	841
C	..	2	2	2	..	6	..
Total ..	110	2	706	48	7	763	867
Total, Central Circle. A	834	15	2,101	1,093	210	3,419	4,253
B	1,123	3	5,474	2,665	324	8,466	9,589
C	..	261	688	85	55	1,089	..
Grand Total, Central Circle ..	1,957	279	8,263	3,843	589	12,974	13,842
Southern							
South Canara .. A	23	12	137	34	66	249	272
B	55	4	313	85	30	432	487
C	..	1	6	..	1	8	..
Total ..	78	17	456	119	97	‡ 689	759
North Malabar .. A	..	2	8	3	..	13	13
B	..	..	1	2	..	3	3
C	† 1	11	..	..	..	11	..
Total ..	1	13	9	5	..	27	16
South Malabar .. A	3	..	13	..	1	14	17
B	..	..	13	..	..	13	13
C	..	..	..	..	..	..	..
Total ..	3	..	26	..	1	27	30
The Nilgiris .. A	* 27	1	11	3	14	29	56
B	..	..	82	54	7	143	143
C	..	..	..	..	..	..	..
Total ..	27	1	93	57	21	172	199
North Coimbatore. A	47	6	109	71	15	201	248
B	37	..	157	173	7	337	374
C	..	58	..	..	..	58	..
Total ..	84	64	266	244	22	596	622

A. Cases taken into Court. B. Cases compounded. C. Cases undetected.

* Variation due to transfers from A to B and B to A.

† Transferred from A of last year and reported to have proved "undetected" in the course of the year and transferred to special register of Magistrate.

‡ Excludes 384 petty-offences let off with a warning.

Rules during 1904–1905—*cont.*

Disposed of during the year.						Cases pending at close of year.
Convictions.		Acquittals.		Total.		
Cases.	Persons.	Cases.	Persons.	Cases.	Persons.	
9	10	11	12	13	14	15
Circle—cont.						
280	1,115	42	221	322 § 12	1,336 98	143
706	2,220	..	..	706 § 82	2,220 416	167
..	..	..	..	..	..	..
986	3,335	42	221	1,028 § 94	3,556 514	310
74	189	11	39	85	228	18
756	1,354	..	..	756	1,354	140
..	..	..	..	..	..	..
830	1,543	11	39	841	1,582	158
17	33	2	5	19	38	7
740	1,162	..	..	740 § 15	1,162 21	86
..	..	..	..	..	..	..
757	1,195	2	5	759 § 15	1,200 21	93
3,226	9,097	250	1,091	3,476 § 76	10,188 262	701
7,646	16,466	..	..	7,646 § 627	16,466 1,619	1,316
..	..	..	..	..	..	..
10,872	25,563	250	1,091	11,122 § 703	26,654 1,881	2,017
Circle.						
142	339	23	54	165 § 72	393 112	35
447	869	..	..	447	869	40
..	..	..	..	..	..	..
589	1,208	23	54	612 § 72	1,262 112	75
7	12	1	1	8 § 3	13 7	2
2	3	..	..	2	3	1
..	..	..	..	..	..	..
9	15	1	1	10 § 3	16 7	3
5	34	3	23	8 § 8	57 22	1
13	56	..	..	13	56	..
..	..	..	..	..	..	..
18	90	3	23	21 § 8	113 22	1
36	75	12	65	48	140	8
117	425	..	..	117	425	26
..	..	..	..	..	..	..
153	500	12	65	165	565	34
164	652	12	36	176	688	72
240	577	..	..	240 § 48	577 151	86
..	..	..	..	..	..	..
404	1,229	12	36	416 § 48	1,265 151	158

§ Withdrawn under the orders of the District Forest-officer.

Register of Breaches of Forest

District.		Cases pending from 1903–1904.	New cases of the year.					Total cases.
			Injury to forests by fire.	Un-authorized felling or appropriation of wood and minor forest produce.	Grazing without permission or in tracts in which grazing is prohibited.	Other offences.	Total new cases of the year.	
1		2	3	4	5	6	7	8
Southern								
South Coimbatore	A	* 29	4	85	27	35	151	180
	B	44	1	139	75	70	285	329
	C	..	..	..	..	..	..	..
	Total	73	5	224	102	105	436	509
Madura	A	71	2	232	59	19	312	383
	B	150	3	759	272	9	1,043	1,193
	C	..	..	3	3	..	6	..
	Total	† 221	5	994	334	28	1,361	1,576
Tinnevelly	A	21	..	81	48	9	138	159
	B	27	1	244	53	4	302	329
	C	..	..	5	99	..	104	..
	Total	48	1	330	200	13	544	488
Total, Southern Circle.	A	221	27	676	245	159	1,107	1,328
	B	313	9	1,708	714	127	2,558	2,871
	C	1	70	14	102	1	187	..
	Grand Total	535	106	2,398	1,061	287	3,852	4,199
Grand Total, Presidency.	A	1,402	53	3,957	1 803	494	6,307	7,709
	B	1,680	12	8,905	4,456	599	13,972	15,652
	C	1	477	871	237	66	1,651	..
Grand Total, Presidency		3,083	542	13,733	6,496	1,159	21,930	23,361

A. Cases taken into Court. B. Cases compounded. C. Cases undetected.

* Variation due to transfer from B to A.

† The variation is explained by the Collector to be due to the inclusion of 12 cases of the previous year on which orders were passed only during the year but erroneously shown as having been disposed of in that year.

Rules during 1904–1905—*cont.*

Disposed of during the year.						Cases pending at close of year.
Convictions.		Acquittals.		Total.		
Cases.	Persons.	Cases.	Persons.	Cases.	Persons.	
9	10	11	12	13	14	15
Circle—cont.						
144	448	14	56	158	504	22
258	753	..	..	258 ‡ 46	753 190	25
..	..	..	..	..	..	..
402	1,201	14	56	416 ‡ 46	1,257 130	47
151	634	18	143	169 ‡ 51	777 109	163
879	3,262	..	..	879 ‡ 113	3,262 465	201
..	..	..	..	..	..	..
1,030	3,896	18	143	1,048 ‡ 164	4,039 574	364
130	297	11	30	141	327	18
252	625	..	..	252 ‡ 34	625	43
..	..	..	..	..	..	..
382	922	11	30	393 ‡ 34	952	61
779	2,491	94	408	873 ‡ 134	2,899 250	321
2,208	6,570	..	..	2,208 ‡ 241	6,570 746	422
..	..	..	..	..	..	..
2,987	9,061	94	408	3,081 ‡ 375	9,469 996	743
5,259	15,510	471	2,210	5,730 ‡ 546	17,720 1,450	1,433
12,287	29,676	..	..	12,287 ‡ 1,219	29,676 3,749	2,146
..	..	..	..	..	..	..
17,546	45,186	471	2,210	18,017 ‡ 1,765	47,396 5,199	3,579

‡ Withdrawn under the orders of District Forest-officer.

APPENDIX to Form No. 50 (statement No. II prescribed by the Government of India).

District.	Details of prosecutions for offences by fire.					
	Serial number of fire.	Areas burnt in acres.	Character of offence (whether intentional or careless).	Whether acquitted or convicted.	Section of law under which convicted.	Amount of punishment.
Ganjám	* 1	*Nil.* †	Intentional ..	Withdrawn ..	....	....
	2	*Nil.*	Do. ..	Convicted ..	Section 21 (*b*) of the Madras Forest Act.	Fined Rs. 5.
	3	5	Do. ..	Pending trial ..	....	....
Vizagapatam.	* 1	23	Do. ..	Convicted ..	Rule 6 of the special rules under section 26 for the Golgonda agency tracts.	Two accused fined Rs. 10 each and two others Rs. 3 each; in default three weeks and fifteen days rigorous imprisonment respectively.
	2	2	Do. ..	Pending trial.	....	....
Gódávari ..	1	100	Careless § ..	Convicted ..	Section 21 of the Madras Forest Act.	Imprisonment for one month.
	2	..	‖ Do. ..	Do. ..	Do.	Thirty days' rigorous imprisonment.
	3, 4 & 5	.. ‡	..	Pending trial.	....	....
Kurnool, East.	1	20	Intentional ..	Do. ..	Section 21 (*b*) of the Madras Forest Act.	Two months' rigorous imprisonment.
Kurnool, West.	1	40	Do. ..	Do. ..	Section 21 (*e*) and (*f*) of the Madras Forest Act.	Three accused fined Rs. 20 each and in default to one month's rigorous imprisonment.
Bellary ..	1	.. ‡	Careless ..	Do. ..	Section 26 of the Madras Forest Act.	Ordered to pay a compensation of Rs. 20.
Cuddapah ..	• 1	200	Intentional ..	Acquitted ..	....	....
	2	.. ‡	Do. ..	Do. ..	....	....
	3	800	Do. ..	Convicted ..	Section 21 of the Madras Forest Act.	Two accused sentenced to six months' rigorous imprisonment each.
Nellore ¶ ..	1	336 sq. yds.	Do. ..	Acquitted ..	....	....
	2	30 acres.	Careless ..	Convicted ..	Section 21 of the Madras Forest Act.	Three accused fined Rs. 25, Rs. 10 and Rs. 5 respectively; in default one months' rigorous imprisonment each.
North Arcot ..	1	250	Intentional ..	Acquitted ..	....	....
South Arcot	1	2	Do. ..	Convicted ..	Section 21 (*b*) of the Madras Forest Act.	Four days simple imprisonment.
	2	20	Do. ..	Do. ..	Do.	Four months rigorous imprisonment and to pay a compensation of Rs. 50. On appeal the unexpired period of imprisonment was remitted and compensation reduced to Rs. 15.
	3	.. ‡	Do. ..	Do. ..	Do.	One accused sentenced to ten days' rigorous imprisonment and to a fine of Rs 5; the other accused to undergo one week's rigorous imprisonment.
	4	200	Do. ..	Acquitted ..	....	....
	5	566	Careless ..	Convicted ..	Section 21 (*b*) of the Madras Forest Act.	One accused fined Rs. 10 and the other acquitted.
	6	10 cents.	Do. ..	Pending ..	Do.	(Since convicted one month's simple imprisonment).
	7	25 ,,	Do. ..	Convicted ..	Do.	Seven days' rigorous imprisonment.
North Salem.	8	16 acres.	Intentional ..	Pending ..	....	(Since convicted and sentenced to one month's rigorous imprisonment).
	* 1	*Nil.*	Do. ..	Acquitted ..	....	....
	2	2 yards in circumference.	Do. ..	Convicted ..	Section 21 (*b*) of the Madras Forest Act.	Five accused fined Re. 1 each; in default two days' simple imprisonment.
	3	..	Kindling fire.	Pending ..	. . .	....
Trichinopoly.	• 1	150	Intentional ..	Convicted ..	Section 21 (*b*) of the Madras Forest Act.	Sentenced to pay a fine of Rs. 100 and in default to six weeks' rigorous imprisonment. The conviction was quashed on appeal.

* Pending case of last year. † Found with a lighted torch. ‡ Not reported.
§ Throwing down amidst grass a lighted cigar. ‖ Lighting a match in a coupe protected from fire.
¶ The Collector has not reported the result of the pending case of last year in which 40 acres were burnt.

Appendix to Form No. 50 (statement No. II prescribed by the Government of India)—*cont.*

District.	Details of prosecutions for offences by fire.					
	Serial number of fire.	Areas burnt in acres.	Character of offence (whether intentional) or careless.	Whether acquitted or convicted.	Section of law under which convicted.	Amount of punishment
South Canara.	* 1	12	Careless ..	Withdrawn ..	....	....
	* 2	100	Intentional ..	Convicted ..	Rules 11 and 15 of the rules under section 26 of the Madras Forest Act.	Fined Rs. 50.
	3	5	Careless ..	Do. ..	Section 21 (*b*) of the Madras Forest Act.	Fined Rs. 15.
	4	100	Do. ..	Do. ..	Do.	Fined Rs. 15.
	5	20	Do. ..	Pending ..	..	....
	6	3	Do. ..	Do. ..	....	....
	7	20	Intentional ..	Convicted ..	Section 21 (*b*) of the Madras Forest Act.	Fined Rs. 15.
	8	10	Careless ..	Withdrawn ..	....	....
	9	10	Do. ..	Convicted ..	Section 21 (*b*) of the Madras Forest Act.	One accused fined Rs. 20 ; the other acquitted.
	10	33	Intentional ..	Acquitted ..	....	....
	11	12 cents.	Do. ..	Withdrawn ..	....	....
	12	.. †	Do. ..	Pending ..	....	....
	13	650 acres	Careless ..	Do. ..	....	....
	14	1,687 ,,	Intentional ..	Withdrawn ..	....	....
	15	10	Do. ..	Convicted ..	Section 21 (*b*) & (*h*) of the Madras Forest Act.	Six weeks' rigorous imprisonment.
North Malabar.	1	5	Careless ..	Acquitted ..	....	....
	2	180	Do. ..	Pending ..	....	....
The Nilgiris. ‡	1	100	Intentional ..	Convicted ..	Section 21 (*c*) of the Madras Forest Act.	One accused sentenced to one month's rigorous imprisonment, two other accused not yet arrested.
North Coimbatore.	1	58	Careless ..	Acquitted ..	....	....
	2		Intentional ..	Convicted ..	Section 21 of the Madras Forest Act.	Six months' rigorous imprisonment.
	3	220	Do. ..	Do. ..	Do.	Fined Rs. 20 and fifteen days' rigorous imprisonment.
	4		Do. ..	Do. ..	Do.	Fined Rs. 20 and two days' rigorous imprisonment.
	5		Do. ..	Do. ..	Do.	Six months' rigorous imprisonment.
	6		Do. ..	Do. ..	Do.	Fined Rs. 3 and rigorous imprisonment for three days.
South Coimbatore.	1	Kindling fire.	Do. ..	Do. ..	Section 21 (*d*), (*c*), (*h*) of the Madras Forest Act.	Two accused, one fined Rs. 25 and the other Rs. 5.
	2	..	Do. § ..	Acquitted ..	....	....
	3	15 acres.	Careless ..	Pending ..	....	....
	4	..	Intentional ..	Do ..	....	....
Madura ..	1	100	Do. ..	Convicted ..	Section 21 (*b*) of the Madras Forest Act.	Two accused, fined Rs. 5 each.
	2		Do. ..	Pending ..	....	....

* Pending case of last year.

† Thirteen Tirva logs were burnt.

‡ The Collector has not reported the result of cases 6 and 7 of last year.

§ The accused was found with match in his possession and apparently about to set fire to forest.

ANNUAL FORM No. 51.

Forest Department, Madras Presidency.

AREA of Forest Tracts protected from Fire during 1904-1905.

District.	Forest tracts.	Year in which protection commenced.	Area protected during the previous year.	During dry season of 1905. Area attempted to be protected.	Fires.	Actually protected.	Cost during the season.	Remarks.
1	2	3	4	5	6	7	8	9
Ganjám—Special protection—	*Northern Circle.*		ACS.	ACS.	ACS.	ACS.	RS.	
Mojjaguda ..	Gullery	1901 ..	2,536	3,512	..	3,512	341	
	Rambha	1903 ..	106	233	..	233	93	
	Baiballi	1903 ..	1,082	1,300	..	1,300	106	
	Darpangia	1903 ..	1,071	1,071	..	1,071	121	
	Dhimrijholi	1903 ..	390	392	..	392	48	
	Tiliki	1903 ..	1,571	1,589	..	1,589	97	
	Kaliamba	1904 ..	900	900	..	900	49	
	Total, Mojjaguda ..	..	7,656	8,997	..	8,997	855	
Kukuluba ..	Brahmanasai	1901 ..	1,127	2,800	3	2,797	213	
	Chendragiri	1903 ..	4,004	4,600	85	4,515	373	
	Gogodo and its extension.	1903 ..	2,280	3,100	..	3,100	138	
	Ambazora	1903 ..	1,997	2,000	..	2,000	77	
	Jagannadhaprasad ..	1904 ..	390	460	20	440	93	
	Kullada	1904 ..	545	600	..	600	58	
	Total, Kukuluba ..	..	10,343	13,560	108	13,452	952	
Buguda ..	Panchabhuti	1903 ..	2,500	2,500	..	2,500	109	
	Kurcholi	1901 ..	800	800	..	800	51	
	Kriamba	1903 ..	7,992	8,000	..	8,000	318	
	Total, Buguda ..	..	11,292	11,300	..	11,300	478	
Suradá ..	Rogada	1903 ..	1,931	2,045	..	2,045	146	
	Mundapetta	1903 ..	1,674	1,717	..	1,717	69	
	Dabuki	1903 ..	1,200	1,450	..	1,450	23	
	Dowgam	1903 ..	769	769	..	769	67	
	Pippalaponka	1903 ..	3,037	2,270	..	2,270	102	
	Bondagocha	1904 ..	232	238	..	238	21	
	Total, Suradá ..	..	8,843	8,489	..	8,489	428	
	Total, Ganjám, Special ..	..	38,134	42,346	108	42,238	2,713	
Berhampur—General protection.	Ramagoda	1885 ..	7,667	7,955	..	7,955	28	
	Baniamari	1885 ..	4,028	4,028	1	4,027	16	
	South Mohiri	1885 ..	3,395	3,408	..	3,408	12	
	Total, Ganjam, General.	..	15,090	15,391	1	15,390	56	
	Total, Ganjám, Special and General.	..	53,224	57,737	109	57,628	2,769 +231*	* Pay of 2 fire maistries and amount spent on preparation of sign boards.
Vizagapatam—General protection.	Dharakonda reserve ..	1901-1902	40,334	46,880	242	46,638	72 (for all reserves)	
	Senivaram ,, ..	1901-1902	29,241	31,448	2	31,446		
	Sithakhandi ,, ..	1901-1902	2,368	2,368	..	2,368		
	Arlova reserve	1901-1902	4,318	4,318	..	4,318		
	Karaka	1901-1902	9,461	9,469	480	8,989		
	Madalammakonda reserve.	1900-1901	3,600	3,600	..	3,600		
	Pedimikonda reserve ..	1900-1901	3,227	3,311	..	3,311		
	Kodavatipudi reserve ..	1900-1901	1,544	1,544	..	1,544		
	Kakarlakonda reserve ..	1900-1901	1,924	1,924	..	1,924		
	Boddapalem reserve ..	1900-1901	308	380	..	380		
	Venkatapuram reserve ..	1900-1901	508	508	..	508		
	Sarugudu reserve Nos. 1 to 4	1900-1901	19,079	19,072	50	19,029		
	Peddapalli reserve ..	1892	9,077	9,077	..	9,077		
	Kadagandi ,, ..	1900-1901	(a) 10,807	11,064	..	11,064		
	Barnakonda ,, ..	..	9,541	13,527	..	13,527		
	Antikonda ,, ..	1900-1901	6,797	6,969	..	6,969		
	Palakonda ,, ..	..	4,513	4,580	24	4,556		
	Chinnagora ,, ..	..	2,327	2,383	2	2,381		
	Total, Vizagapatam, General ..	..	158,974	172,429	800	171,629	72	

(a) Revised figure reported by Collector.

Area of Forest Tracts protected from Fire during 1904–1905—*cont.*

District.	Forest tracts.	Year in which protection commenced.	Area protected during the previous year.	During dry season of 1905. Area attempted to be protected.	Fires.	Actually protected.	Cost during the season.	Remarks.
1	2	3	4	5	6	7	8	9
Gódávari—General protection—	*Northern Circle*—cont.		ACS.	ACS.	ACS.	ACS.	RS.	
Bhadráchalam range.	1. Dummagudem reserve.	1887 ..	6,110	6,110	310	5,800	55	
	2. Arlagudem ,, ..	1888 ..	6,125	6,136	73	6,063	68	
	3. Malkanapalli ,, ..	1905 ..	..	3,658	13	3,645	64	
	4. Tunikicherwu ,, ..	1905 ..	..	8,022	300	7,722	113	
	5. Bhadráchalam ,, ..	1905 ..	..	10,860	8	10,852	103	
	6. Gogubaka ,, ..	1905 ..	..	1,666	..	1,666	34	
	7. Komanapalli ,, ..	1905 ..	..	3,250	216	3,034	47	
	Total, Bhadráchalam ..	..	12,235	39,702	920	38,782	484	
Marrigudem range.	1. Bandrevu reserve ..	1904 ..	10,600	10,900	..	10,900		
	2. Gollaguppa ,, ..	1904 ..	7,440	8,000	212	7,788		
	3. Narakonda ,, ..	1904 ..	7,300	7,500	..	7,500		
	4. Pegha ,, ..	1904 ..	4,400	4,400	..	4,400		
	5. Uppanapalli ,, ..	1904 ..	3,300	3,300	..	3,300		
	6. Seetarampuram reserve.	1904 ..	3,000	3,000	..	3,000	1,560	
	7. Bandarugudem ,,	1904 ..	6,630	7,100	..	7,100		
	8. Burakankota ,,	1904 ..	1,250	1,500	2	1,498		
	9. Kepaka ,,	1887 ..	5,000	7,000	..	7,000		
	10. Tatilanka ,,	1887 ..	12,000	12,000	38	11,962		
	11. Ramachandram ,,	1887 ..	10,160	10,300	2	10,298		
	Total, Marrigudem ..	..	71,080	75,000	254	74,746	1,560	
Rékapalle range.	1. Rékapalle hills reserve Marrigura, Nelakota, compartments Nos. I to X of Rekapalle hills reserve working-plan area.	Compartment No I, 1901 Compartment No. X, 1902. Compartment Nos. II to IX, 1903.	130,521	1,40,530	5,997	134,533	2,211	
	2. Pulusumamidi reserve.	1902 ..	4,520	4,520	..	4,520	125	
	3. Mattapalli ,,	1887 ..	9,500	9,500	8	9,492	310	
	4. Lakkavaram ,,	1905 ..	..	6,500	..	6,500	180	
	5. Kansulur ,,	1905 ..	..	6,200	..	6,200	120	
	6. Kolleru ,,	1905 ..	..	5,500	..	5,500	96	
	7. Walsugri ,,	1905 ..	..	6,530	412	6,118	94	
	Total, Rékapalli ..	..	144,541	179,280	6,417	172,863	3,136	
	Total for the Sub-division.	..	227,856	293,982	7,591	286,391	5,180	
Rajahmundry range.	1. Lakkonda reserve.	1887 ..	11,854	13,104	..	13,104	24	
	2. Molleru ,,	1887 ..	8,200	8,250	..	8,250	12	
	3. Mallavaram ,,	1887 ..	7,256	7,600	..	7,600	12	
	4. Tirumalayapalem ,,	1887 ..	5,150	5,150	..	51,50	18	
	5. Sudikonda ,,	1887 ..	6,869	6,880	..	6,880	12	
	6. Murari ,,	1889 ..	700	700	..	700	6	
	7. Kogida ,,	1889 ..	1,279	1,280	..	1,280	6	
	8. Diwancheruvu ,,	1887 ..	2,051	2,051	..	2,051	12	
	Total, Rajahmundry ..	..	43,359	45,015	..	45,015	102	
Peddapur range.	1. Arantagiri reserve.	1905 ..	..	3,050	..	3,050	52	
	2 Ultimathule ,,	1905 ..	..	2,600	..	2,600	54	
	3. Bandapally ,,	1905 ..	..	5,800	..	5,800	103	
	4. Rajavommangi ,,	1905 ..	..	7,961	..	7,961	138	
	5. Singampali ,,	1905 ..	..	3,142	..	3,142	54	
	6. Jaddangy ,,	1905 ..	..	5,775	..	5,775	103	
	7. Ameenbada ,,	1905 ..	..	4,480	..	4,480	78	
	8. Labbarty ,,	1905 ..	..	6,500	..	6,500	105	
	9. Poramanidi ,,	1905 ..	..	6,400	..	6,400	106	
	10. Veerabhadrapuram reserve.	1905 ..	..	10,300	..	10,300	158	
	11. Vatangy reserve.	1905 ..	..	8,840	..	8,840	179	
	12. Lododdi ,,	1905 ..	..	7,[illegible]00	..	7,200	130	
	13. Pedagarrangi ,,	1905 ..	..	4,000	..	4,000	56	
	14. Annavaram ,,	1905 ..	..	8,500	..	8,500	134	
	15 Lingamparti ,,	1905 ..	..	6,500	..	6,500	53	
	16. Kotapalli ,,	1890 ..	2,150	2,150	..	2,150	33	
	Total, Peddapur ..	..	2,150	93,198	..	93,198	1,536	

Area of Forest Tracts protected from Fire during 1904–1905—*cont.*

District.	Forest tracts.	Year in which protection commenced.	Area protected during the previous year.	During dry season of 1904–05. Area attempted to be protected.	Fires.	Actually protected.	Cost during the season.	Remarks.
1	2	3	4	5	6	7	8	9
	Northern Circle—cont.		ACS.	ACS.	ACS.	ACS.	RS.	
Gódávari—General protection—*cont.* Polavaram range.	1. Bedadavole reserve ..	1890 ..	14,911	15,000	12	14,988	186	
	2. Marlagudem ,, ..	..	2,098	2,100	1	2,099	123	
	3. Three reserves adjoining Hyderabad boundary.	1898 ..	4,928	4,968	..	4,968	67	
	4. Fire-tracing along the Hyderabad boundary.	..	..	..	..	..	..	
	Total, Polavaram ..	..	21,937	22,068	13	22,055	376	
	Total for the Main division (General).	..	67,446	1,60,281	13	1,60,268	2,014	
	Total for the Sub-division, (General).	..	2,27,856	2,93,982	7,591	2,86,391	5,180	
	Total, Gódávari, (General).	..	2,95,302	4,54,263	7,604	4,46,659	7,194—1*	* Deducted as per Accountant-General's audited figures.
Kistna—Special protection—Bezwada range.	Kondapalli reserve ..	1884–1885	2,839	545	200	345	132	
	Kottur reserve	1904–1905	..	370	..	370	22	
	Kottur Extension No. 2 ..	1904–1905	..	50	..	50		
	Dasullapalem reserve ..	1904–1905	..	50	..	50	13	
	Jangalapalli reserve ..	1904–1905	..	59	..	59		
	Velvadam reserve ..	1904–1905	..	50	..	50		
	Kondur reserve	1903–1904	200	200	..	200		
	Jaggavapeta reserve ..	1904–1905	..	50	..	50	12	
	Budavada reserve ..	1904–1905	..	69	..	69		
	Total, Bezwada ..	..	3,039	1,443	200	1,243	179	
Ellore range.	Yerraguntapalli reserve ..	1887–1888	8,640	8,640	..	8,640	139	
	Barrikonda reserve Extension.	1887–1888	4,010	4,010	..	4,010	90	
	Baudamcherla reserve ..	1887–1888	5,200	5,200	..	5,200	80	
	Total, Ellore ..	..	17,850	17,850	..	17,850	309	
	Total, Kistna (Special) ..	..	20,889	19,293	200	19,093	488	
General protection—Bezwada range.	Kondapalli reserve and Extension No. 1.	..	11,968	21,402	1	21,401	..	
	Kondur	..	..	3,940	1,500	2,440	..	
	Total, Kistna (General) ..	..	11,968	25,342	1,501	23,841	..	
	Total, Kistna (Special and General).	..	32,857	44,635	1,701	42,934	488	
Guntúr—Special protection.	Venkatayapalem reserve Compartments I, II and III.	1894–1895	14,906	15,588	60	15,528	48	
	Bollapalli reserve compartments I to VI.	1885–1886	8,434	18,584	1	18,583	5	
	Coupes in Vinukonda range.	..	..	700	20	680		
	Gungalakunta reserve ..	1890–1891	5,008	..	..	..	..	
	Pasvemula reserve ..	1892–1893	1,088	..	..	..	..	
	Total, Guntúr (Special) ..	..	29,436	34,872	81	34,791	53	
General protection.	Venkatayapalem reserve ..	..	24,978	24,978	..	24,978	..	
	Gangalakunta reserve ..	..	878	17,659	..	17,659	..	
	Paswemula reserve ..	..	9,412	18,375	..	18,375	..	
	Total, Guntúr (General) ..	..	35,268	61,012	..	61,012	..	
	Total, Guntúr (Special and General).	..	64,704	95,884	81	95,803	53	

Area of Forest Tracts protected from Fire during 1904–1905—*cont.*

District.	Forest tracts.	Year in which protection commenced.	Area protected during the previous year.	During dry season of 1904-05. Area attempted to be protected.	Fires.	Actually protected.	Cost during the season.	Remarks.
1	2	3	4	5	6	7	8	9
	Northern Circle—cont.		ACS.	ACS.	ACS.	ACS.	RS.	
Kurnool* East—Special protection.	"A" block	1889 ..	1,199	25,600 (for the group)	2,020	23,580	† 9,542	* Includes amount spent on 100 miles of broad fire lines cut outside the 40 square miles actually protected and fire traced.
	South Chelama	1891 ..	1,965					
	Do. Addition	1894 ..	3,378					
	Digavametta	1891 ..	650					
	Zangambavi	1891 ..	98					
	Chelama improvement felling block.	1895 ..	..					
	Gazulupalli Railway fuel felling coupe.	1902 ..	..					
	Chelama coupe	1902 ..	..					
	Paler dam coupe	1903 ..	322					
	Compartment No. III coupes.	1902 ..	..					
	Fire tracing Railway line and around Chelama house.	..	..					
	Poqupadu block ‡	1904 ..	1,097	..	..	..	..	
	Western Veligond block. ‡	1889 ..	17,642	..	..	..	..	
	Total Kurnool East, Special.	..	26,351	25,600	2,020	23,580	9,542	
Kurnool West—Special protection.	Coupes 1, 2 and 3 in the South Dhone reserve.	1904 ..	..	298	..	298	13	
	Coupes 1, 2 and 3 of North Dhone reserve.	1903 ..	96	1,075	..	1,075	22	
	Coupes 1, 2 and 3 of Kamalapuram reserve.	1903 ..	..	141	..	141	4	
	Coupes 1, 2, 3 and 4 of Gadidemaduju reserve.	1903 ..	164	325	..	325	15	
	Mr. Wood's fire line in the Nallamalais in Velgode Range 18 miles.	1905 ..	..	..	..	..	160	
	Total, Kurnool West, Special.	..	260	1,839	..	1,839	214 § + 4	§ Includes Rs. 3 paid for carting timber obtained in cutting the fire line in Velgode range.
Bellary—Special protection—Sundur ..	Ramandrug	1883 ..	6,201	6,841	48	6,793	1,162 (for Sundur)	
	North-east block	1883 ..	3,211	4,267	306	3,961		
	Donimalai	1883 ..	..	1,112	..	1,112		
	Tornagal	1898-99 ..	50	50	..	50		
Adóni ..	Kupgal	1892-93 ..	497	497	35	462	35	
	Tungabhadra	1892-93 ..	75	75	..	75	23	
Bellary ..	Malapanagadi Yepi block.	1886-87 ..	1,066	1,066	..	1,066	58	
Kudligi ..	Shivapuram	1902-1903.	200	200	200	..	30	
	Chiribi	1899-1900.	Abandoned.		Abandoned.			
Harpanahalli.	Hyrada coupes	1899-1900.	..	2,000	2,000	..	7	
	Total, Bellary, Special ..	..	11,300	16,108	2,589	13,519	1,315	
Anantapur—Special protection.	1. Muchukota	1884 ..	6,800	10,000	..	10,000	205	
	2. Kothakota	1884 ..	11,012	11,016	2,040	8,976	327	
	3. Amagondapaliem	1884 ..	15,360	15,360	20	15,340	281	
	4. Nyalakota	1890 ..	12,056	12,156	15	12,141	347	
	5. Konappayanipalli Working Circle, Narasampalli reserve compartment I.	1905 ..	..	1,215	..	1,215	28	
	6. Penukonda town Working Circle, Penukonda reserve compartment I.	1905 ..	..	1,700	..	1,700	22	
	7. Yerracherla Working Circle compartment I.	1905 ..	..	411	..	411	15	
	8. Rallahalli Working Circle, Kekathi reserve compartment I.	1905 ..	..	626	..	626	18	
	Total, Anantapur (Special).	..	45,228	52,484	2,075	50,409	1,243 ‡ -- 1	‡ Deducted as per Accountant-General's audited figures.
General protection.	Guttur (West)	1887 ..	2,980	3,880	400	3,480	20	
	Total, Anantapur, Special and General.	..	48,208	56,364	2,475	53,889	1,262	
	Total, Northern Circle Special.	..	171,598	192,542	7,073	185,469	15,802	
	Total, Northern Circle (General).	..	519,582	752,317	10,306	72[illegible],011	7,341	
	Grand Total, Northern Circle.	..	691,180	924,859	17,379	907,480	23,143	

* These reserves now form the Railway fuel Working Circle.

† These two blocks were not taken up during the year, as Mr. Cox wanted to concentrate efforts on fire protection in one locality; and also because both these blocks were burnt almost completely in 1903-1904.

Area of Forest Tracts protected from Fire during 1904–1905—*cont.*

District.	Forest tracts.	Year in which protection commenced.	Area protected during the previous year.	During dry season of 1905. Area attempted to be protected.	Fires.	Actually protected.	Cost during the season.	Remarks.
1	2	3	4	5	6	7	8	9
	Central Circle.		ACS.	ACS.	ACS.	ACS.	RS.	
Cuddapah (a) Special protection.	Settigunta	1905	8,960	8,960	300	8,660		
	Chiyyavaram	1905	7,747	7,747	..	7,747		
	Kodur Hill	1905	13,995	13,995	730	13,265	129	
	Gottimanikona	1905	..	5,569	..	5,569		
	Salivendla	1905	..	17,599	1,050	16,549		
Pullampet.	Sashachellam	1905	77,085	150,203	4,783	145,420	1,647	
	Tenukonda	1905	..	1,048	26	1,022	..	
	Reddipalle	1905	..	1,873	..	1,873	..	
	Vattaloor	1905	..	2,880	..	2,880	..	
	Yerrakonda	1905	..	8,292	..	8,292	..	
	Buduguntlapalle	1905	..	4,674	..	4,674	..	
	Cheyyer	1905	..	5,592	..	5,592	..	
	Patoor	1905	..	3,495	..	3,495	..	
	Kannekalakonda	1905	..	4,764	..	4,764	..	
	Chitvel	1905	..	15,922	10	15,912	..	
Sidhout	Palakondas	1905	12,420	35,538	..	35,538	323	
	Cheyyer	1905	..	588	..	588	..	
	Patoor	1905	..	4,735	..	4,735	..	
	Kannekalakonda	1905	..	2,373	..	2,373	..	
	Vontimitta	1905	..	7,029	..	7,029	..	
	Konarazupalle	1905	..	26,811	..	26,811	74	
	Kanamalapalle	1905	..	7,895	..	7,895	..	
	Lanka Malais *	..	17,660	..	..	..	..	
	Lanka Coupes	1905	..	1,353	..	1,353	118	
Badvel	Nallamalais *	..	27,558	..	..	..	..	
	Chettumappa coupe in Nallamalais	1905	..	80	..	80	..	
	Kurumadu coupe in Nallamalais	1905	..	80	8	72	94	
	Lankamalais Coupe	1905	..	40	..	40	31	
Proddatur	Nallamalais *	..	34,000	..	..	..	..	
Cuddapah	Nallamalais Tippireddipalli Coupe, Yakerlapalliem	1905	..	119	2	117	79	
	Lankamalais *	..	17,140	..	..	..	..	
	Lankamalais Coupe I	1905	..	50	..	50		
	Lankamalais II	1905	..	100	..	100	90	
	Lankamalais III	1905	..	1,000	..	1,000		
	Palakondas	..	35,510	35,510	158	35,352	778	
	Ganganapalle	..	250	52,343	1,220	51,123	..	
	Idupulapaya	1905	..	20,259	..	20,259	..	
	Redlacheruvoo	1905	..	6,420	..	6,420	..	
Kadiri	Nigidi	..	27,770	29,957	..	29,957	..	
	Malakavemala	1905	..	2,760	25	2,735	83	
Ráyachóti	Seshachellam	1905	..	30,819	5,893	24,926	..	
	Yerrakonda	1905	..	11,219	..	11,219	367	
	Gadikotu	1905	..	21,345	..	21,345	..	
	Palakondas	1905	..	46,877	420	46,457	..	
	Idupalapaya	1905	..	14,984	..	14,984	108	
	Sibyala	1905	..	4,215	..	4,215	..	
	Tundupalle	1905	..	3,000	..	3,000	..	
	Pálimerapalle	1905	..	1,702	..	1,702	..	
	Cheyyer	1905	..	3,400	..	3,400	..	
Vayalpad.	Horsleykonda	1904	10,000	21,739	4,160	17,579	..	
	Seshachellam	1904	33,586	33,586	5,333	28,253	103	
	Tadukonda *	..	2,200	..	..	..	239	
	Bhakrapet	1904	..	10,600	65	10,535	..	
	Total, Cuddapah, Special.	..	325,881	691,139	† 24,183	666,956	3,663	
Nellore	Udayagiri Veligondas A and B blocks.	1885	59,650	60,000	38	59,962	510	
	Gundalakonda attached to Veligonda A in Udayagiri range.	1903	720	720	..	720		
	Rapur-Veligondas A and B blocks in Rapur range.	1883	29,328	30,720	2	30,718	444	
	Nandavavanam block and its extensions A and B and Vedullacheruvu or Kanigiri-Veligondas in Kanigiri range.	1883	25,060	26,780	..	26,780	271	

* Protection abandoned this year

† Fires in an additional area of 1,133 acres subsequent to the first year 1904–1905.

(a) The variations between the figures entered in column 4 of the return for 1904–1905 and those entered in column 7 of the previous year's return are due to the adoption of revised figures.

Area of Forest Tracts protected from Fire during 1904–1905—*cont.*

District.	Forest tracts.	Year in which protection commenced.	Area protected during the previous year.	During dry season of 1905. Area attempted to be protected.	Fires.	Actually protected.	Cost during the season.	Remarks.
1	2	3	4	5	6	7	8	9
			ACS.	ACS.	ACS.	ACS.	RS.	
	Central Circle—cont.							
Nellore—*cont.*	Udayagiri-Durgam hill and Korisakonda in Udayagiri range.	1902 ..	15,730	15,760	..	15,760	63	
	Udayagiri-Yerrakondas ..	1903 ..	14,080	14,080	..	14,080	64	
	Total, Nellore ..	..	144,568	148,060	40	148,020	1,352	
Chingleput range.	Maiyur Revised Forest ..	1900-01 ..	283	283	..	283	17	
	Karunguli Revised Forest.	Do.	16	16	..	16	..	
Tiruvallúr range.	Kambakkam revised forest.	1883-84 ..	15.879	15,879	..	15,879	362	
	Nagalapuram Revised Forest.	..	9,492	9,632	..	9,632		
	Total, Chingleput ..	..	25,670	25,810	..	25,810	379 *	* Cost of fire patrol.
North Arcot—Special protection—Chittoor range.	Chittapara	1888 ..	4,276	4,276	..	4,276	29	
	Paradaram	1880 ..	9,040	9,100	..	9,100	22	
	Pachigunta	1888 ..	1,800	1,800	..	1,800	23	
	Irola A and B	1888 ..	12,136	12,531	157	12,374	22	
	Do. extension ..	1893 ..	2,650	2,650	20	2,630	12	
	Parapumalai	1899 ..	2,227	2,227	..	2,227	15	
	Tavanampalle	1899 ..	1,862	1,862	5	1,857	16	
	Puthalapattu	1891 ..	3,077	3,077	..	3,077	8	
	Dhamalcheruvu A and B.	1892 ..	2,368	2.368	..	2,368	12	
	Padinpurtlabylu	1880 ..	4,294	4,294	200	4,094	15	
	Kinatipalli reserve ..	1884 ..	1,417	1,417	..	1,417	15	
	Chilapalle reserve	1884 ..	1,166	1,166	..	1,166	16	
	Basavapalle A and B ..	1888 ..	1,784	1,784	8	1,776	7	
	Do. Extension ..	1894 ..	841	841	..	841	9	
	Virisettepalle reserve ..	1888 ..	7,044	7,044	..	7,044	15	
	Chittoor reserve	1882 ..	385	385	..	385	18	
	Total, Chittoor ..	..	56,367	56,822	390	56,432	254	
Chandragiri.	Napier reserve	1880 ..	8,826	8,826	..	8,826	71	
	Mamandur	1874 ..	1,760	1,760	105	1,655	67	
	Do. extension ..	1888 ..	9,491	10,291	..	10,291	71	
	Tirupati hill reserve ..	1888 ..	18,204	18.554	72	18,482	71	
	Channala	1880 ..	18,692	19,142	655	18,487	81	
	Nagapatla	1890 ..	18.472	18,912	412	18,500	80	
	Mungilpatla	1890 ..	27,429	27,744	..	27,744	88	
	Panapakam	1880 ..	17,238	17,318	20	17,298	55	
	Tirupati extensions A and B.	1891 ..	6,098	6,298	..	6,298	50	
	Total, Chandragiri ..	..	126,210	128,845	1,261	127,581	634	
Palmanér ..	Peddanaigdrug	1880 ..	12,959	14,419	504	13,915	47	
	Mordana	1884 ..	7,930	9,200	87	9,113	86	
	Charagal	1888 ..	6.688	6,719	560	6,159	51	
	Peddur	1880 ..	15,101	16,526	200	16,326	62	
	Naickaneri	1880 ..	5,552	6.840	..	6.840	69	
	Mudalimadugu	1884 ..	5,542	5,542	290	5,252	208	
	Palmanér	1892 ..	6,153	6,298	153	6,145	99	
	Total ..	..	59,925	65,544	1,794	63,750	622	
Gudiyáttam.	Penamadangi reserve ..	1887 ..	10,515	10,515	1	10,514	17	
	Naickneri	1884 ..	4,563	5,153	100	5,053	29	
	Mordana (Gudiyáttam portion).	1884 ..	12,914	14,614	300	14,314	64	
	Amburdrug	1884 ..	10,003	10,139	..	10,139	56	
	Mordana extension ..	1891 ..	8,774	9,094	460	8,634	20	
	Gundlapalli	1894 ..	7,354	7.354	..	7,354	22	
	Syneggunta	1891 ..	7,306	7,306	..	7,306	24	
	Charagal (Gudiyáttam portion.)	1893 ..	11,231	11,566	530	11,036	71	

Area of Forest Tracts protected from Fire during 1904–1905—*cont.*

District.	Forest tracts.	Year in which protection commenced.	Area protected during the previous year.	During dry season of 1905.			Cost during the season.	Remarks.
				Area attempted to be protected.	Fires.	Actually protected.		
1	2	3	4	5	6	7	8	9
North Arcot--	*Central Circle*—cont.		ACS.	ACS.	ACS.	ACS.	RS.	
Special protection—*cont.* Gudiyáttam—*cont.*	Kunjanur	1893	1,445	1,549	..	1,549	3	
	Karapet	1892	7,596	8,000	190	7,810	76	
	Naickaneri extension	1887	1,568	1,568	50	1,518	14	
	Paradarami extension	1889	1,888	1,888	..	1,888	12	
	Do. reserve	1903	4,302	4,302	..	4,302	10	
	Jangalapalli	1903	2,734	2,734	..	2,734	20	
	Pallalacuppam	1903	94	94	..	94	5	
	Kallapady	1894	6,945	6,945	..	6,945	24	
	Total, Gudiyáttam	..	99,232	102,821	1,631	101,190	467	
Vellore	Arasampat reserve	1887	15,564	17,890	205	17,685	153	
	Ambur fuel	1879	5,453	5,453	365	5,088	3	
	Vellakal	1889	3,732	5,037	210	4,827	52	
	Ambur	1887	25,818	27,878	990	26,888	97	
	Athiyur	1889	4,628	4,800	40	4,760	50	
	Palamadi	1880	6,629	8,160	460	7,700	62	
	Tellai	1891	469	1,330	15	1,315	28	
	Karuthamalai	1882	20,131	20,486	..	20,486	60	
	Kylasagiri	1892	1,734	2,534	..	2,534	46	
	Kaniyambadi	1892	5,082	5,472	375	5,097	10	
	Banavaram	1880	1,022	1,022	2	1,020	6	
	Punganur	1884	8,667	13,498	874	12,624	63	
	Ammur	1884	5,139	5,139	..	5,139	4	
	Total, Vellore	..	104,068	118,699	3,536	115,163	634	
Pólúr	Karnatighur	1881	7,270	7,270	1	7,269	150	
	Malayalam	1887	25,468	28,614	979	27,635	123	
	Mulacad	1890	14,934	15,744	560	15,184	109	
	Santavasal	1890	9,591	9,671	172	9,499	53	
	Periamalai	1892	6,910	6,970	418	6,552	42	
	Thellai	1891	14,762	14,862	41	14,821	22	
	Vellimalai	1893	1,978	2,003	1,100	903	11	
	Virappanur	1886	31,469	31,469	..	31,469	..	
	Parvadamalai	1892	5,779	5,779	430	5,349	28	
	Kelur	1884	2,989	2,989	16	2,973	5	
	Total, Pólúr	..	124,150	125,371	3,717	121,654	543	
	Total, North Arcot, Special.	..	569,952	598,102	12,332	585,770	3,154	
North Arcot—General protection— Chittoor	Santhapet	1882	2,068	2,148	..	2,148	..	
	Bomasamudram A and B.	1891	1,128	1,128	..	1,128	..	
	Vavilthotta	1891	2,107	2,107	..	2,107	..	
	Kinatipalle extension	1892	1,282	1,312	..	1,312	..	
	Bomasamudram extension.	1893	994	994	..	994	..	
	Reddigunta	1893	1,441	1,441	..	1,441	..	
	Chasel hill	1893	2,692	2,692	..	2,692	..	
	Santhapet ext. A, B & C.	1893	483	483	..	483	..	
	Mahimandalam	1888	2,528	2,528	..	2,527	..	
	Kinatipalli extension B	1893	25	25	..	25	..	
	Total, Chittoor	..	14,748	14,858	1	14,857	..	
Chandragiri.	Sanambatla	1892	5,094	5,139	..	5,139	..	
	Pakala A and B (*a*)	1894	2,035	2,035	..	2,035	..	
	Napier extension	1900	26	26	..	26	..	
	Penumur	1893	1,350	1,350	..	1,350	..	
	Panapakkam extension	1892	9,082	9,082	10	9,072	..	
	Chandragiri hill (*a*)	1892	1,293	1,293	..	1,293	..	
	Penumur extension A & B. (*a*)	1893	3,123	3,123	..	3,123	..	
	Do. (Chittoor portion)	1891	1,082	1,082	..	1,082	..	
	Total, Chandragiri	..	23,085	23,130	10	23,120	..	

(*a*) The variations between the figures entered in column 7 of the previous year's return and those entered in column 4 of the return for 1904-1905 is reported to be due (1) to the transfer of areas from supplement II to form No. 51 of 1903-1904 to general protection during this year and (ii) to transfer from general to special protection and *vice versâ*.

Area of Forest Tracts protected from Fire during 1904–1905—*cont.*

District.	Forest tracts.	Year in which protection commenced.	Area protected during the previous year.	During dry season of 1905. Area attempted to be protected.	Fires.	Actually protected.	Cost during the season.	Remarks
1	2	3	4	5	6	7	8	9
	Central Circle—cont.		ACS.	ACS.	ACS.	ACS.		
North Arcot—General protection—*cont.* Palmanér	Basuvareddipalli B (*a*)	1884	4,983	5,492	62	5,430	Nil.	
	Melmoy	1884	1,268	1,568	..	1,568		
	Patticonda	1893	5,190	5,190	..	5,190		
	Musalimadugu extension.	1895	1,875	1,875	..	1,875		
	Basuvareddipalli A	1895	1,985	2,170	240	1,930		
	Do. B	1895	5,487	5,792	..	5,792		
	Alapalli	1895	2,029	2,029	..	2,029		
	Nellipatla	1895	6,905	7,135	3	7,132		
	Virlabunda	1895	2,419	2,569	4	2.565		
	Thotakanama	1895	4,305	4,710	70	4,640		
	Peddur extension (*a*)	1902	9,369	9,394	120	9,274		
	Total, Palmanér	..	45,815	47,924	499	47,425		
Gudiyáttam	Pallalacuppam reserve	1892	6,578	6,728	80	6,648		
	Do. extensions A and B. (*a*)	1893	5,883	5,883	..	5,883		
	Bommanaickenpaliam. (*a*)	1894	913	913	..	913		
	Synagunta extensions A & B.	1892	2,496	2,496	..	2,496		
	Kempasamudram A & B. (*a*)	1893	1,335	1,415	30	1,385		
	Gundalapalli extension	1894	928	928	..	928		
	Total, Gudiyáttam	..	18,133	18,363	110	18,253		
Vellore	Vellore reserve	1892	2,113	2,413	..	2,413		
	Palliconda	1892	3,478	3,898	..	3,898		
	Nellimalai	1892	2,792	2,797	..	2,797		
	Paravaimalai	1892	7,078	7,078	..	7,078		
	Ammunur	1880	203	203	..	203		
	Appukal	1892	650	800	25	775		
	Sawancuppam	1893	12,420	13,843	..	13,843		
	Vannimedu plantation. (*a*)	1880	38	38	2	36		
	Total, Vellore	..	28,772	31,070	27	31,043		
Pólúr	Arasambut reserve	1884	12,824	12,824	..	12,824		
	Patrakad	1881	24,594	25,254	290	24,964		
	Kappalur	1884	1,479	1,504	..	1,504		
	Aliayalamangalam	1884	10,027	10,027	12	10,015		
	Santavasal extensions A & B.	1892	331	331	..	331		
	Brahmanbatteri	1884	561	561	..	561		
	Kodiyalam	1884	243	243	..	243		
	Budur A & B.	1884	835	835	..	835		
	Vengunram	1884	1,288	1,288	5	1,283		
	Nambedu	1884	947	947	..	947		
	Vishamangalam	1884	1,148	1,148	..	1,148		
	Ponmur	1884	1,656	1,656	..	1,656		
	Nedungal	1884	2,298	2,298	..	2,298		
	Nambedu extensions A, B & C.	1895	397	397	..	397		
	Nedungunam	1884	1,697	* 1,637	2	1,635		* 60 acres have been disafforested.
	Pathur	1879	18,458	18,458	..	18,458		
	Total, Pólúr	..	78,783	79,408	309	79,099	..	
	Total, General Protection.	..	209,336	214,753	956	213,797	..	
	Total, Special Protection.	..	569,952	598,102	12,332	585,770	3,154	
	Total, North Arcot, Special and General.	..	779,288	812,855	13,288	799,567	3,154	
South Arcot, Special protection—Tiruvanná-malai range.	Anamalai Reserved forest.	1878	2,640	2,640	55	2,585	198	
	Kanthumalai	1878	7,084	7,085	270	6,815	146	
	Tenmalai	1877	30,391	31,706	6,283	25,423	178	
	Nallapattu	1889	5,094	5,094	..	5,094	261	
	Pelamarudur	1889	5,075	5,075	..	5,075	..	
	Paramanandal	1895	1,517	1,517	..	1,517	..	
	Mudanai	1898	7,046	7,046	1	7,045	..	

(*a*) The variations between the figures entered in column 7 of the previous year's return and those entered in column 4 of the return for 1904–1905 is reported to be due (i) to the transfer of areas from Supplement II to form No. 51 of 1903–1904 to general protection during this year and (ii) to transfer from general to special protection and *vice versâ*.

Area of Forest Tracts protected from Fire during 1901–1905—*cont.*

District.	Forest tracts.	Year in which protection commenced.	Area protected during the previous year.	During dry season of 1905. Area attempted to be protected.	Fires.	Actually protected.	Cost during the season.	Remarks.
1	2	3	4	5	6	7	8	9
			ACS.	ACS.	ACS.	ACS.	RS.	
South Arcot, Special protection—*cont.* Tiruvannámalai range—*cont.*	*Central Circle*—cont.							
	Valasamalai	1883–84 ..	12,369	12,369	40	12,329	263	
	Natnampalli	1889 ..	7,270	7,270	..	7,270	..	
	P. Samimalai	1883–84 ..	9.257	9,312	578	8,734	81	
	Chinnasamudram ..	1900 ..	2,841	2,842	45	2,797	45	
	Damarcadu	1900 ..	3,759	3,764	498	3,266	85	
Kallakurchi range.	Tagarai	1883–84 ..	14,338	14,338	..	14,338	192	
	Total, South Arcot, Special.	..	108,681	110,058	7,770	102,288	1,449	
North Salem—Special protection Tiruppattúr range.	Singarapet	1881 ..	2,636	739	..	739	41	
	Total, Tiruppattúr ..	..	2,636	739	..	739	41	
Hosúr range.	Melagiri	1885 ..	5,461	5,461	7	5,454	112	
	Kanavoi Kottapatti ..	1885 ..	742	742	..	742	23	
	Gulhatti	1885 ..	3,248	3.248	..	3,248	88	
	Manchi	1885 ..	3,105	3,305	3,305	..	23	
	Kanavanagasandiram ..	1885 ..	416	416	3	413	21	
	Total, Hosúr ..	..	12,972	13,172	3,315	9,857	267	
	Total, North Salem, Special.	..	15,608	13,911	3,315	10,596	308	
North Salem—General protection Tiruppattúr range.	Alangayam	1891 ..	1,302	1,302	..	1,302	53	
	Narasingapuram	1893 ..	407	3 0	..	310	8	
	Kalarapatti	1895 ..	728	728	..	728	21	
	Pungulam coupes.. ..	1895-96 ..	8. 0	1,366	..	1,366	13	
	Andiyappanur	1894 ..	1,135	1,326	..	1,326	79	
	Govindapuram	1895 ..	8 5	369	..	369	11	
	Kottur (Yelagiris) ..	1885 ..	1,225	1,225	..	1,225	41	
	Onnakarai	1897 ..	1,363	..	..	.	10	
	Kallavi	..	1,303	1,858	..	1,858	22	
	Kothur block	1883 ..	1,200	1,200	..	1,200	35	
	Naralacota	1893 ..	1,452	1,452	..	1,452	66	
	Maharajagadai	1896 ..	1,736	1,436	75	1,361	79	
	Mangalam	1901–1902.	981	981	..	981	42	
	Elavambadi	1902–1903.	726	1,894	..	1,894	22	
	Mambakkam	1904–1905.	..	118	..	118	7	
	Nandibunda	1904–1905.	..	..	..	..	8	
	Nagaluthu coupe I ..	1904–1905.	..	96	..	96	..	
	Jolarpet new coupe 1 ..	1904–1905.	..	62	..	62	..	
	Total, Tiruppattúr ..	..	15,173	15,723	75	15,648	517	
North Salem—Dharmapuri range.	Thoppoor coupes	1904–1905.	200	200	*Nil.*	200	11	
Hosúr range.	Jowlagiri	1900 ..	5,145	5,160	570	4,590	44	
	Noganur coupe	1900 ..	338	338	..	338	24	
	Total, Hosúr ..	..	5,483	5,498	570	4,928	68	
	Total, North Salem, General.	..	20,856	21,421	645	20,776	596	
	Total, North Salem, Special and General.	..	36,464	35,332	3,960	31,372	904	
South Salem—Special protection Salem, East.	Shevaroys South Working Circle, new coupes 1–5.	1901 ..	2,022	2,451	200	2,251	153 (for this and the next two rows)	
	Pannikaradu . ..	1882 ..	1,929	1,929	..	1,929		
	Kurumbapatti old coupes 1 25.	1897 ..	4,000	4,000	..	4,000		
	Nagaramalai	1901 ..	400	684	..	684	26	
	Shevaroys East Working Circle, new coupes 1 to 4 and 76 acres in coupe 5.	1902 ..	1,393	1,900	..	1,900	57	
	Kapputhu old coupes ..	1897 ..	1 000	1,135	..	1.135	18	
	Gothamalai old coupes .	1903	1,985	2,100	..	2,100	46	
	Do. new coupe 1.	1905 ..	..	220	..	220	12	
	Jalluthu new coupe 1 ..	1905 ..	..	192	..	192	15	

Area of Forest Tracts protected from Fire during 1904–1905—*cont.*

District.	Forest tracts.	Year in which protection commenced.	Area protected during the previous year.	During dry season of 1905. Area attempted to be protected.	Fires.	Actually protected.	Cost during the season.	Remarks.
1	2	3	4	5	6	7	8	9
South Salem—Special protection—*cont.*	*Central Circle*—cont.		ACS.	ACS.	ACS.	ACS.	RS.	
Salem, East—*cont.*	Vellalagundam coupe 1 ..	1905 ..	..	184	..	184	..	
	Pudupatti coupe 1 ..	1905 ..	..	252	..	252	15	
	Total, Salem East ..	..	12,729	15,047	200	14,847	342	
Salem, West	Vadugampatti specially protected block.	1881 ..	1,976	1,976	..	1,976	..	
	Morur specially protected block.	1881 ..	799	799	..	799	56	
	Ammaneri specially protected block.	1882 ..	252	252	..	252	..	
	Pilapalli Kombai specially protected block.	1882 ..	890	981	..	981	..	
	Shevaroys West Working Circle, coupes 1—5.	1900 ..	2,231 (for this and the next)	1,502	250	1,252	43	
	Kanjeri specially protected block.	1882 ..		1,929	..	1,929	..	
	Sanyasimalai plantations.	1904 ..	380	480	4	476	14	
	Vanavasi Working Circle coupes.	1904 .	294	294	..	294	82 (for this and the next two)	
	Konur coupes	1904 ..	373	373	..	373		
	Suriamaiai coupes ..	1904 ..	524	524	..	524		
	Total, Salem West ..	..	7,719	9,110	254	8,856	195	
Lokur Working Circle.	Manakondamalai coupes.	1904 ..	1,398	1,398	..	1,398	50	
	Karuvattuparai specially protected block.	1883 ..	837	837	..	837	..	
	Total, Lokur Working Circle.	..	2,235	2,235	..	2,235	50	
Atur ..	Pattimedu old coupe ..	1902 ..	20	20	..	20	6 (for this and the next)	
	Do. new coupe ..	1902 ..	50	125	..	125		
	Panamadal new coupe ..	1902 ..	50	50	..	50	..	
	Do. old coupe ..	1902 ..	60	60	..	60	..	
	Mannur coupe	1902 ..	136	136	..	136	..	
	Nagalur old coupe ..	1882 ..	60	60	..	60	5 (for this and the next)	
	Do. new coupe ..	1905 ..	..	138	..	138		
	Jadaygoundan new coupe.	1905 ..	..	264	..	264	4	
	Gangavalli new coupe ..	1905 ..	..	320	..	320	10	
	Manar new coupe.. ..	1905 ..	..	171	..	171	7	
	Total, Atur ..	..	376	1,344	..	1,344	32	
Harur ..	Harur specially protected block.	1882 ..	1,029	1,029	..	1,029	91	
	Mallapuram specially protected block.	1882 ..	606	606	..	606	57	
	Harur Working Circle coupes 1 — 4—	..						
	A series	1904 ..	447	595	..	595	125 (for A to E series)	
	B ,, ...	1904 ..	302	405	..	405		
	C ,, ...	1904 ..	107	207	..	207		
	D ,, ...	1902 ..	302	431	..	431		
	E ,, ...	1902 ..	165	218	..	218		
	Ponniar Working Circle, coupes 1—3.	1902 ..	465	721	..	721	47	
	Shevaroys North Working Circle, coupes 1—4.	1902 ..	803	2,413	..	2,413	108	
	Kouramalai Working Circle, coupes 1—4.	1902 ..	1,231	1,641	..	1,641	68 (for this and the next)	
	Kouramalai old coupes ..	1898 ..	609	609	..	609		
	Chitteri South-West Working Circle, coupes 1—4.	1902 ..	1,354	1,807	..	1,807	48	
	Chitteri North Working Circle, coupes 1—3—							
	A series	1904 ..	1,355	1,355	..	1,355	71 (for A and B series)	
	B ,, ...	1902 ..	1,351	1,351	..	1,351		
	Kuriappu kombai specially protected block.*	1897 ..	181	181	..	181	51	
	Total, Harur ..	..	10,307	13,569	..	13,569	666	
	Total, South Salem, Special	..	33,366	41,305	454	40,851	1,285	

* Omitted to be shown in last year's shown by mistake.

Area of Forest Tracts protected from Fire during 1904–1905—*cont.*

District.	Forest tracts.	Year in which protection commenced.	Area protected during the previous year.	During dry season of 1905. Area attempted to be protected.	Fires.	Actually protected.	Cost during the season.	Remarks.
1	2	3	4	5	6	7	8	9
South Salem—General protection—Atur range.	*Central Circle*—cont.		ACS.	ACS.	ACS.	ACS.	RS.	
	Nagalur reserve ..	1905 ..	..	7,640	30	7,610	56	
	Mannur do. ..	1905 ..	..	9,158	19	9,139	30	
	Gangavalli do. ..	1905 ..	..	7,579	..	7,579	38	
	Total, Atur range ..	..	..	24,377	49	24,328	124	
Námakkal.	Pubansholai reserve ..	1904–1905.	..	6,784	..	6,784	9	
	Shelur do. ..	1904–1905.	..	13,762	33	13,729	21	
	Jamboothu do. ..	1904–1905.	..	5,013	30	4,983	9	
	Karavalli do. ..	1904–1905.	..	8,664	..	8,664	6	
	Total, Namakal ..	..	..	34,223	63	34,160	45	
	Total, South Salem, General.	..	..	58,600	112	58,488	169	
	Total, South Salem, Special and General.	..	33,366	99,905	566	99,339	1,454	
Trichinopoly—General protection—Musiri range.	Sengattupatti	1885–86 ..	2,850	3,000	..	3,000	..	
	Manmalai	1887–88 ..	5,850	6,000	..	6,000	..	
	T. Kanapadi	1887–88 ..	12,000	12,000	20	11,980	..	
	Karuppan Kadu Thittu ..	1887–88 ..	2,900	2,000	..	2,000	..	
	Mélúr	1885–86 ..	3,000	3,000	..	3,000	..	
	V. Kanapadi	1887–88 ..	10,000	10,000	2	9,998	..	
	Palamalai	1888–89 ..	10,000	10,000	..	10,000	..	
	Kaliammankoil Thittu ..	1889–90 ..	1,500	1,500	..	1,500	..	
	Kanapadi Kannimarsolai.	1889–90 ..	2,560	2,560	..	2,560	* 145	
	Total, Musiri ..	..	49,760	50,060	22	50,038	145	* The amount paid to Malagalis on the Pachamalais with whom agreements are entered into for keeping the lines clear and preserving the forest safe from fire.
Perambalúr range.	Manalodai	1885–86 ..	4,991	5,000	..	5,000	..	
	Sholamathi	1885–86 ..	6,000	6,000	..	6,000	..	
	Selaiyur	1889–90 ..	1,600	1,600	..	1,600	..	
	Puliyur	1890–91 ..	10,000	10,000	7	9,993	..	
	Sengathur	1890–91 ..	10,000	10,000	..	10,000	..	
	Valaiyur	1900–1901.	1,655	1,655	1	1,654	..	
	Arasadi Arivithi ..	1900–1901.	3,541	3,541		3,541	..	
	Pulambadi No. I	1900–1901.	2,489	2,494	..	2,494	..	
	Total, Perambalúr ..	..	40,276	40,290	8	40,282	..	
	Total, Trichinopoly, General.	..	90,036	90,350	30	90,320	145	
	Total, Central Circle, Special.	..	1,053,488	1,454,515	48,054	1,406,461	9,859	
	Total, Central Circle, General.	..	490,466	558,994	1,783	557,211	2,641	
	Grand Total, Central Circle, Special and General.	..	1,543,954	2,013,509	49,837	1,963,672	12,500	
	Southern Circle.							
South Canara—Special protection—Coondapoor range.	Sarpanamane and Savantagudde.	1886–87 .. 1896–97 ..	789	1,390	..	1,390	44	
	Honnukodlu	1894–95 ..	584	576	..	576	33	
	Herur	1893–94 ..	2,839	2,880	5	2,875	115	
	Talaburave	1895–96 ..	611	610	..	610	35	
	Chittur	..	2,223	2,234	29	2,205	38	
	Kadike	..	2,711	2,800	4	2,796	35	
	Karnigadde	..	1,161	1,100	..	1,100	35	
	Gundaberu and Korakoppa.	1904–05 ..	..	418	25	393	37	
	Total, Coondapoor ..	..	10,918	12,008	63	11,945	372	

Area of Forest Tracts protected from Fire during 1904–1905—*cont.*

District.	Forest tracts.	Year in which protection commenced.	Area protected during the previous year.	During dry season of 1905. Area attempted to be protected.	Fires.	Actually protected.	Cost during the season.	Remarks.
1	2	3	4	5	6	7	8	9
South Canara—Special protection—*cont.*	*Southern Circle*—cont.		ACS.	ACS.	ACS.	ACS.	RS.	
Udipi range.	Chinkramale and extension	1885-86 ..	2,086	3,554	20	3,534	40	
	Tenkahola	1886-87 ..	2,039	2,038	80	1,958	32	
	Mavinakodlu	1895-96 ..	1,602	1,627	8	1,619	40	
	Someshwar timber coupes.	..	1,280	446	2	444	65	
	Jatkatmale	1897-98 ..	1,341	1,386	366	1,020	30	
	Durgamale	..	1,577	1,601	2	1,599	35	
	Total, Udipi ..	..	9,925	10,652	478	10,174	242	
Mangalore range.	Mujimale	1894-95 ..	3,138	3,200	12	3,188	32	
	Todar	1899-90 ..	454	552	7	545	27	
	Hosabettu	..	371	376	54	322	29	
	Naninjemale	1897-98 ..	1,410	836	50	786	25	
	Panamberi	1902-03 ..	571	640	24	616	33	
	Hurabe	1903-04 ..	505	555	12	543	24	
	Kodiamale	..	1,123	1,169	27	1,142	41	
	Total, Mangalore ..	..	7,572	7,328	186	7,142	211	
Uppinangadi range.	Dharmastala	1887-88 ..	4,998	4,992	1,220	3,772	20	
	Porkala	1902-03 ..	4,553	4,563	86	4,477	55	
	Mujur	1901-02 ..	10,096	10,157	475	9,682	93	
	Miyar	..	17,533	17,530	2,500	15,030	60	
	Kombar	..	9,393	1,817	1,680	137	45	
	Kidu	..	6,399	6,413	100	6,313	42	
	Konaje	..	6,632	6,630	550	6,080	51	
	Padnur	1902-03 ..	2,707	3,155	150	3,005	36	
	Kunthur	..	3,854	3,942	33	3,909	40	
	Nerankimale	..	3,937	3,898	519	3,379	34	
	Nidle	..	..	2,560	1,000	1,560	34	
	Shibaje	..	3,456	3,456	620	2,836	16	
	Kadimbilla	..	1,848	1,849	500	1,349	11	
	Total, Uppinangadi ..	..	75,406	70,962	9,433	61,529	537	
Puttur range.	Parappa	1896-97 ..	2,410	2,560	1,920	640	58	
	Kanakamajalu	1899-00 ..	2,177	2,249	2,249	..	61	
	Pumale	1897-98 ..	3,715	3,840	88	3,752	58	
	Muliyar	1903-04 ..	2,105	2,116	400	1,716	76	
	Jalsur add felled area ..	1900-01 ..	5,120	1,500	..	1,500	..	
	Total, Puttur ..	..	15,527	12,265	4,657	7,608	253	
	Total, South Canara, Special.	..	119,348	113,215	14,817	98,398	1,615	
South Canara—General protection. Coondapoor range.	Sabladi	1884-85 ..	208	208	..	208	6	
	Kasanakatte	1893-94 ..	262	254	4	250	15	
	Harkur	..	858	856	..	856	18	
	Darligudde	..	168	192	..	192	8	
	Mudaregudde	..	352	448	..	448	15	
	Abbigudde	1897-98 ..	1,434	1,408	..	1,408	34	
	Baindur	..	5,724	6,069	100	5,969	6	
	Total, Coondapoor ..	..	9,006	9,435	104	9,331	102	
Udipi range.	Pilarkan	1883-84 ..	315	300	..	300	..	
	Manaje	1886-87 ..	423	422	..	422	9	
	Jarvathu	1894-95 ..	418	418	50	368	6	
	Hale Someshwar	1895-96 ..	1,842	1,894	50	1,844	10	
	Mensinkan	1896-97 ..	997	1,008	..	1,008	6	
	Matkalgudde	1897-98 ..	251	251	..	251	4	
	Total, Udipi ..	..	4,246	4,293	100	4,193	35	

Area of Forest Tracts protected from Fire during 1904-1905—*cont.*

District.	Forest tracts.	Year in which protection commenced.	Area protected during the previous year.	During dry season of 1905. Area attempted to be protected.	Fires.	Actually protected.	Cost during the season.	Remarks.
1	2	3	4	5	6	7	8	9
	(B) General protection—cont.							
South Canara —*cont.*	*Southern Circle*—cont.		ACS.	ACS.	ACS.	ACS.	RS.	
Uppinangadi.	Shiradi extension	1902-03 ..	883	281	..	281	..	
Puttur range.	Virakamba	1897-98 ..	1,643	1,683	70	1,613	5	
	Kalanjimale	1898-99 ..	2,969	3,049	100	2,949	8	
	Kilarmale plantation ..	1901-1902.	100	100	69	31	4	
	Total, Puttur ..	..	4,712	4,832	239	4,593	17	
	Total, South Canara, (General).	..	18,847	18,841	443	18,398	154	
	Total, South Canara, (Special).	..	119,348	113,215	14,817	98,398	1,615	
	Total, South Canara (Special and General).	..	138,195	132,056	15,260	116,796	1,769	
	Add payments of last year (1903-04) made during the curent year						64	
	Total ..						1,833	
	Deduct—Cash recoveries made in the year						3	
	Total expenditure ..						1,830	
North Malabar.	Begur	1882-83 ..	15,290	15,366	1,250	14,116	998	
	Chedleth	1887-88 ..	51,307	57,307	1,255	56,052	1,879	
	Kanoth	1894-95 ..	330	380	..	380	80	
	Periah	1894-95 ..	6,400	..	..	..	..	
	Total, North Malabar ..	..	73,327	73,053	2,505	70,548	2,957+ 919 *	
South Malabar—Special protection. Nilambúr range.	Amarampalem reserve ..	1860-61 ..	468	468	..	468	54	
	Chathamborai do. ..	1872-73 ..	624	624	..	624	98	
	Teak plantations	1842-43 ..	3,516	3,516	7	3,509	675	
	Edakode natural forests including Vellachipally.	1898-99 ..	400	2,863	..	2,863	233	
	Pokote natural forests ..	1904-05 ..	..	525	..	525	106	
	Arimbrakuthamalai ..	1899-1900.	322	322	..	322	36	
	Total, Nilambúr range.	..	5,330	8,318	7	8,311	1,202	
Amarampalam range.	Karimpoya reserve ..	1884-85 ..	3,955	3,955	10	3,945	274	
	Nellikutta do. ..	1883-84 ..	1,824	1,824	..	1,824	188	
	New Amarampalam do. ..	1889-90 ..	75,000	75,000	..	75,000	235	
	Kariem, Muriam forests ..	1901-1902.	2,716	2,716	..	2,716	206	
	Total, Amarampalam range.	..	83,495	83,495	10	83,485	903	
Palghat range.	Chenat Nair reserve ..	1884-85 ..	14,563	15,203	13	15,190	345	
	Tamparatti pottai do. ..	1891-92 ..	124	124	23	101	15	
	Dhoni .. do. ..	1898-99 ..	45	45	3	42	34	
	Pulliampalli tope do. ..	1900-1901.	20	20	..	20	5	
	Total, Palghat range ..	..	14,752	15,392	39	15,353	399	
	Total, South Malabar (Special).	..	103,577	107,205	56	107,149	2,504	
The Nilgiris—Special protection.	Mudumalai teak plantation.	1883 ..	25	25	..	25		
	Benne teak plantation ..	1886 ..	40	40	..	40		
	Benne experimental block.	1893 ..	179	179	..	179	785	
	Tuckles of 1896 and 1899.	1899 ..	25	25	..	25		
	Margadi block	1883 ..	2,781	2,781	..	2,781		
	Margadi blocks Nos. IV and V.	1898 ..	2,686	2,686	100	2,586		
	Moyar reserved forest (east)	1886 ..	3,920	4,000	10	3,990		
	Northern Hay and sandalwood plantation.	1883 ..	22	22	..	22		
	Sandalwood tracts in Sigur reserve forest.	1899 ..	600	600	..	600	848	
	Moyar West Kallmalai blocks.	1904 ..	8,376	8,976	..	8,976		
	Chemmanguli	1883 ..	25	25	..	25		
	Aranakal	1883 ..	9	9	.	9		

* Added as per Accountant-General's audited figure.

Area of Forest Tracts protected from Fire during 1904–1905—*cont.*

District.	Forest tracts.	Year in which protection commenced.	Area protected during the previous year.	During dry season of 1905. Area attempted to be protected.	Fires.	Actually protected.	Cost during the season.	Remarks.
1	2	3	4	5	6	7	8	9
	Southern Circle—cont.		ACS.	ACS.	ACS.	ACS.	RS.	
The Nilgiris, Special protection—*cont.*	Governor's Shola No. I	1883	25	25	..	25		
	Do. No. II	1883	30	30	..	30		
	Andi	1883	17	17	..	17		
	Upatti	1883	12	12	..	12		
	Sheffield	1883	25	25	..	25		
	Cully	1883	17	17	..	17		
	Chowghat Cully	1883	26	26	..	26	117	
	Madanah	1883	8	8	..	8		
	Baikie	..	50	50	..	50		
	Aramby	..	430	430	..	430		
	Marlimund	..	11	11	..	11		
	Cairn Hill	..	405	405	..	405		
	Muttunad	1898	80	80	..	80		
	Kullar reserve	1883	919	919	..	919		
	Burliyar	1883	178	178	..	178		
	Ghaut reserve	1883	247	247	..	247		
	Coonoor peak	1883	259	259	..	259		
	Bandishola	1883	111	111	..	111		
	Sim's Park, block No. I.	1883	48	48	..	48		
	Blackbridge	1883	40	40	..	40		
	Little Rallia	1883	10	10	..	10	393	
	Newman	1883	35	35	..	35		
	Rallia	1883	60	60	..	60		
	Longwood addition	1883	350	350	..	350		
	Kunjapani sandalwood area.	1898	640	640	..	640		
	Bleakhouse	1899	57	57	..	57		
	Springfield	1899	30	30	..	30		
	Sim's Park, No. II	1899	36	36	..	36		
	Total, the Nilgiris (Special).	..	22,844	23,524	110	23,414	2,143	
The Nilgiris, General protection.	Ulnad	1883	839	839	..	839		
	Mukurty	1888	1,324	1,324	..	1,324		
	Kurumund	1883	1,552	1,552	..	1,552		
	Kundahs	1885	42,505	42,505	..	42,505		
	Pichelbettu	..	1,668	1,668	..	1,668		
	Kadkupa	1886	1,622	1,622	..	1,622		
	Nanjanad	1893	914	914	..	914		
	Kollingiri	..	391	391	..	391		
	Karpakan	1886	643	643	..	643		
	Pykara	1893	844	844	..	844		
	Yemmakal	1886	465	465	..	465		
	Hiriashigai	1887	3,026	3,026	..	3,026		
	Thaishola	1885	1,551	1,551	..	1,551		
	Muthanad	1883	340	340	..	340		
	Bikkapathi	1894	1,945	1,945	..	1,945		
	Naduvattam	1885	3,411	3,411	..	3,411		
	Ouchterlony	1886	973	973	..	973		
	Nilgiri peak	..	5,962	5,962	..	5,962		
	Chinna Coonoor	1894	14	14	..	14	168	
	Kengal	..	14	14	..	14		
	Kodanad	1895	40	40	..	40		
	Huppatti	..	491	491	..	491		
	Kajuchi	..	475	475	..	475		
	Iduhatti	..	15	15	..	15		
	Bathrishola	1884	34	34	..	34		
	Dodabetta	..	758	758	..	758		
	Jakuntha	..	373	373	..	373		
	Honnathalai	..	320	320	..	320		
	Keriyada	..	276	276	..	276		
	Kengodu	..	451	451	..	451		
	Brooklands	..	177	177	..	177		
	Jackal plantation	1902	5	5	..	5		
	Lovedale (East)	..	127	127	..	127		
	Benhope reserve	1885	75	75	..	75		
	Blackbridge	1883	350	350	..	350		
	Devashola, north and south.	1883	211	211	..	211		
	Jakanare	..	..	324	..	324	69	
	Total, The Nilgiris, General.	..	74,181	74,505	..	74,505	237	
	Total, the Nilgiris (Special and General).	..	97,025	98,029	110	97,919	2,380+1*	

* Added as per Accountant-General's audited figure.

Area of Forest Tracts protected from Fire during 1904–1905—*cont.*

District.	Forest tracts.	Year in which protection commenced.	Area protected during the previous year.	During dry season of 1904–1905.			Cost during the season.	Remarks.
				Area attempted to be protected.	Fires.	Actually protected.		
1	2	3	4	5	6	7	8	9
			ACS.	ACS.	ACS.	ACS.	RS.	
	Southern Circle—cont.							
Coimbatore district, North. (*a*)	Hassanur sandalwood compartment—Satyamangalam range.	1895–96 ..	2,134	2,140	23	2,117	107	
	Minchiguli Working Circle—Satyamangalam range.	1902–1903.	3,076	4,704	50	4,654	59	
	Talamalai sandalwood compartment — Talamalai range.	1897–98 ..	589	589	18	571	46	
	Badagalli sandalwood compartment — Talamalai range.	1896–97 ..	637	685	..	685	20	
	Hugathur bettu block ..	1903–1904.	2,107	3,067	..	3,067	72	
	Bailur sandalwood compartment — Kollegal range.	1895–96 ..	3,034	3,034	..	3,034	173	
	Udaiyárpálaiyam, Kollegal range.	1895–96 ..	1,321	1,322	14	1,308	90	
	Jadathadi, Kollegal range.	1895–96 ..	234	235	2	233	28	
	Alluvarai block	1895–96 ..	4,313	4,313	..	4,313	114	
	Arepalayam Working Circle.	1895–96 ..	3,091	3,144	769	2,375	108	
	Gundal Working Circle.	1895–96 ..	1,846	1,846	..	1,846	192	
	Total, Coimbatore North (Special).	..	22,382	25,079	876	24,203	1,009	
Coimbatore, South—Special protection—Tunacadavu and Pollachi.	Tekadi leased forests and portion of Tunacadavu reserve No. I.	1882–83 ..	26,374	26,374	1,643	24,731	650	
Pollachi ..	Punachi reserve No. II ..	1888–89 ..	2,835	2,880	..	2,880	426	
Udamalpet ..	Dhali block ..	1883–84 ..	485	485	..	485	57	
Méttupálaiyam.	Singaratope Working Circle of Odanthorai block.	1891–92 ..	777	777	..	777	133	
Bolampatti.	Sholakarai. (In Bolampatti block I.)	1883–84 ..	1,157	1,157	..	1,157		
	Thenkaradu. (In Bolampatti block I.)		343	393	30	363		
	Keerapatti. (In Bolampatti block I.)		2,260	2,260	100	2,160		
	Oratti .. (In Bolampatti block I.)		816	1,136	4	1,132		
	Kuchimalai. (In Bolampatti block I.)		1,545	1,545	..	1,545		
	Noyel .. (In Bolampatti block II.)		10,826	10,920	145	10,775		
	Velliyangiri. (In Bolampatti block II.)		5,026	5,240	35	5,205		
	Varadimudi. (In Bolampatti block II.)		7,960	7,960	..	7,960		
	anavarai .. In Bolampatti block III and portions of blocks II and IV.		13,764	13,880	..	13,880	1,388	
	Walayar reserve	1873–74 ..	3,017	3,017	..	3,017		
	Total, Coimbatore South, (Special protection).	..	77,185	78,024	1,957	76,067	2,654	
Coimbatore, South—General protection—Tunacadavu and Pollachi.	Tunacadavu reserve No. I.	..	250,637	256,847	..	255,918	..	
Pollachi ..	Punachi reserve No. II.	..			929			
Udamalpet ..	Amravati ,, ,, III.	..						
Tunacadavu, Pollachi and Udamalpet.	Anamalai ,, ,, IV.	..						

(*a*) It is reported that Talamalai reserve which was under fire—protection during the previous year was not protected during the year under report.

Area of Forest Tracts protected from Fire during 1904–1905—*cont.*

Districts.	Forest tracts.	Year in which protection commenced.	Area protected during the previous year.	During dry season of 1904–1905. Area attempted to be protected.	Fires.	Actually protected.	Cost during the season.	Remarks.
1	2	3	4	5	6	7	8	9
Coimbatore South—General protection—*cont.*	*Southern Circle*—cont.		ACS.	ACS.	ACS.	ACS.	RS.	
Bolampatti.	Bolampatti reserve No. I.	..			40			
	,, ,, ,, II	..						
	,, ,, ,, III.	..						
Bolampatti and Méttupálaiyam.	Tadagam ,, ,, IV.	..						
Méttupálaiyam.	Gopanari ,, ,, V.	..	74,661	74,791	8	74,743	..	
	Kempampalayam reserve No. VI.	..						
	Nellithorai reserve No. VII.	..						
Bolampatti..	Small Sholakarai reserve No. X.	..						
	Sankararayapuram reserve	..						
Méttupálaiyam.	Odanthorai reserve No. VIII.	..	5,335	5,335	..	5,335	..	
	Modur reserve No. IX ..	..	5,805	5,805	..	5,805	..	
	Nellimalai reserve ..	..	1,882	1,882	..	1,882	..	
Udamalpet..	Elayamuthur reserve ..	..	762	762	..	762	..	
	Dhali reserve	..	145	145	..	145	..	
Méttupálaiyam.	Avanashi palmyra tope ..	..	67	67	..	67	..	
	Total, South Coimbatore, General.	..	339,294	345,634	977	344,657	..	
	Total, South Coimbatore, Special and General.	..	416,479	423,658	2,934	420,724	2,654	
Madura—Special protection.	Amburuvi	1886–87 ..	10,771	10,771	..	10,771	139	
	Shengalvaraiyar	1885–86 ..	4,608	4,608	..	4,608	39	
	Pambar	1883–84 ..	3,693	4,243	200	4,043	483	
	Adukkam	1885–86 ..	3,200	3,200	35	3,165	12	
	Poombarai Vilpatti valley.	1884–85 ..	17,594	17,594	..	17,594	35	
	Karungal Dhoni medu ..	1885–86 ..	1,964	1,964	300	1,664	5	
	Kookal	1886–87 ..	11,725	11,725	..	11,725	..	
	Kudraiyar	1886–87 ..	13,235	13,235	..	13,235	49	
	Perumalmalai							
	Thogavarai shola	1886–87..	7,386	7,386	..	7,386	96	
	Thalaiyar kadu							
	Kadamaravu							
	Oliyanuthu odai	1888–89 ..	3,802	3,802	..	3,802	..	
	Kundu kadu	1902–1903.	332					
	Pannitulam	..	16					
	Gundar	..	438					
	Manavartan kanal ..	..	56	* ..	..	..	..	* Included in the newly constituted Gundar valley extension reserve.
	Kalarankavai kanal ..	..	52					
	Parappar	..	55					
	Gundan shola	..	257					
	Nettle shola	..	16					
	Upper Palni Sholas—							
	Gundar valley extension.	1904–1905.	..	5,860	120	5,740	338	
	Perumalmalai shola ..	1902–1903.	347	347	..	347	12	
	Anagiri	1902–1903.	73	73	..	73	9	
	Tiger shola	1902–1903.	1,866	1,866	..	1,866	50	
	Glenfalls	1902–1903.	36	36	..	36		
	Gundar valley	1902–1903.	3,988	3,988	..	3,988		
	Talkadu kanal	1902–1903.	268	268	..	268		
	Kuttukal kadu	1902–1903.	36	36	..	36		
	Kilavarai	1902–1903.	36	36	..	36	732	
	Chandanur	1902–1903.	440	440	..	440		
	Pook kadu	1902–1903.	242	242	..	242		
	Swamikanal	1902–1903.	1,548	1,548	..	1,548		
	Kilavayal	1902–1903.	568	568	..	568		
	Alagar Hill	1882–1883.	16,618	16,838	..	16,838	699	
	Total, Madura—(Special).	..	105,266	110,674	655	110,019	2,698 (a) 22 2,720	(a) Cost of putting out fires in Sirumalai reserve forest, Kananvaipatti range.

Area of Forest Tracts protected from Fire during 1904–1905—*cont.*

Taluk.	Forest tracts.	Year in which protection commenced.	Area protected during the previous year.	During dry season of 1904–1905. Area attempted to be protected.	Fires.	Actually protected.	Cost during the season.	Remarks.
1	2	3	4	5	6	7	8	9
Tinnevelly—Special protection—	*Southern Circle*—cont.		ACS.	ACS.	ACS.	ACS.	RS.	
Srívilliputtúr.	Aiyanarkovil Working Circle.	1902 ..	4,182	4,722	691	4,031	181	
Sankaranayinar kóyil.	Karupasamikoyil Working Circle.	1902 ..	6,155	6,155	671	5,484	210	
Tenkási ..	Kadayanallur Working Circle.	1902 ..	2,288	2,288	91	2,197	173	
	Kuttalam Working Circle.	1902 ..	2,539	2,644	60	2,584	30	
Ambásamudram.	Koilteri ,,	1902 ..	1,753	2,013	..	2,013	178	
	Padirmalai ,,	1902 ..	2,695	3,045	..	3,045	116	
Nánguméri ..	Kalakad ,,	1902 ..	2,918	2,918	..	2,918	188	
	Tirukanungudi ,,	1902 ..	2,538	2,538	..	2,538	47	
	Total, Tinnevelly, Special.	..	25,068	26,323	1,513	24,810	1,123	
General protection—								
Srívilliputtúr.	Ghaut forests, V and V (*a*).	1902 ..	38,663	38,783	1,547	37,236	150	
Sankaranayinárkóyil.	,, IV and IV(*a*).	1902 ..	17,822	20,379	4,422	15,957	118	
Tenkási ..	Ghaut forests, III, III (a_1) (b_1), (c_1) (c_2), (d_1), and extension Nos. 1 to 3 of Kuttalam reserve.	1902 ..	19,209	21,502	1,090	20,412	139	
Ambásamudram.	Ghaut forests II, II (*a*) and II (*b*).	1902 ..	102,880	104,740	2,664	102,076	200	
Nánguneri ..	Ghaut forests, I (*a*) teak tract, Mahendragiri and Vannamutty.	1902 ..	42,231	45,981	774	45,207	301	
	Total, Tinnevelly, General.	..	220,805	231,385	10,497	220,888	908	
	Total, Tinnevelly, Special and General.	..	245,873	257,708	12,010	245,698	2,031+499 *	
	Total, Southern Circle—(Special)		548,997	557,097	22,489	534,608	18,205	
	Total, Southern Circle, General.		653,127	670,365	11,917	658,448	1,299	
	Grand Total, Southern Circle.		12,02,124	12,27,462	34,406	11,93,056	19,504	
	Total Presidency—(Special)	..	17,74,083	22,04,154	77,616	21,26,538	43,866	
	(General)	..	16,63,175	19,61,676	24,006	19,37,670	11,281	
	Grand Total, Presidency.	..	34,37,258	41,65,830	101,622	40,64,208	55,147	

* Added as per Accountant-General's audited figures.

Annual Form No. 52.

Forest Department, Madras Presidency.

Area closed and open to grazing during 1904–1905.

District.	Area in square miles. Closed to all animals. Whole year.	Closed to all animals. Part of year.	Closed to both goats and sheep. Whole year.	Closed to both goats and sheep. Part of year.	Area closed to goats only.	Open to all animals. Whole year.	Total forest area as per Form No. 44.
1	2	3	4	5	6	7	8
Northern Circle.	SQ. MLS.	SQ. MLS.	SQ. MLS.		SQ. MLS.	SQ. MLS.	SQ. MLS.
Ganjám	9	..	..	..	598	..	538 60
Vizagapatam	6	..	..	..	298 47	..	298 47
Gódávari	12	..	261	..	606 76	..	867 76
Kistna	43	13	..	..	142	125	280
Guntúr	166	..	..	..	655	159	814
Kurnool, East	23	..	..	..	1,156	..	1,155 1
,, West	117	..	..	..	1,380 101	11	1,380 112
Bellary	55	..	..	..	592	95	601 86
Anantapur	49	..	..	..	510 11	..	510 11
Total, Northern Circle ..	480	13	261	..	6,172	390	6,443 393
Central Circle.							
Cuddapah	10	..	..	..	2,199	159	2,241 117
Nellore	38	..	75	..	583 4	76	734 4
Chingleput	50	..	..	..	213	* 1	214
North Arcot	105	..	..	..	1,255	35	1,290
South ,, ...	14	..	..	..	663	..	663
North Salem	47	† 29	..	..	836	58	832 91
South ,, ...	56	8	..	..	718	7	728 5
Trichinopoly	23	..	..	..	301 14	..	310 5
Tanjore	3	..	..	..	20	..	20
Total, Central Circle ..	346	37	75	..	6,806	336	7,032 222
Southern Circle.							
South Canara	18	..	..	..	674 393	..	674 393
North Malabar	29	..	..	..	235 23	..	235 23
South ,, ...	259	..	..	..	259	25	218 66
The Nilgiris	6 10	..	..	..	412 87	..	412 87
North Coimbatore	89	..	15	..	1,633 12	..	1,378 282
South ,, ...	30	..	..	..	662	..	662
Madura	109	1	..	..	560	55 52	616 52
Tinnevelly	245	38	..	..	400	..	437 1
Total, Southern Circle ..	795	39	15	..	5,350	132	4,632 904
Grand Total, Presidency ..	1,621	89	351	..	18,328	858	18,107 1,519
Do. 1903–1904 ..	1,696	191	473	16	18,171	708	19,559

* Half a square mile, but entered as 1 to round off fraction.

† Entered in the District Return as 8½ square miles. This is presumably a clerical error for 28½ square miles. Entered as 29 to round off fraction.

N.B.—The totals of columns 3, 4, 5, 6 and 7 equal column 8. The figure in column 6 includes the figures in column 2. Of the figures in brackets the upper one denotes the area of Reserved forests and the lower one the area of reserved lands.

FORM

RETURN of Grazing in the State Forests of the

Districts.	Grazing on payment.									
	At enhanced or special rates.					At full rates.				
	Buffaloes.	Cows and bullocks.	Goats and sheep.	Other animals.	Fees received.	Buffaloes.	Cows and bullocks.	Goats and sheep.	Other animals.	Fees received.
1	2	3	4	5	6	7	8	9	10	11
Northern Circle.					RS.					RS.
Ganjám	..	..	..	..	..	10,367	39,604	426	..	* 11,356
Vizagapatam	(a) 58	(a) 2,889	(a) 1,968	..	997	1,182	14,338	1,246	..	3,249
Gódávari	(a) 5,762 (g) 757	(a) 9,808 (g) 265	..	..	6,000	..	..	..	..	..
Kistna	(a) 2,785 (g) 3 (h) 223	(a) 8,856 (g) 4,037 (i) 1,281 (j) 201	(o) 513 (e) 1,543 (k) 302 (l) (e) 174 (m) (e) 1,046	..	7,300	5,352	14,314	16,534 (e) 6,603	..	6,859
Guntúr	(a) 601 (h) 8 (p) 635 (r) 1,208	(a) 2,939 (j) 2 (p) 30,413 (j) 15,491 (q) 21 (y) 498 (i) 952	(a) 7,046 (a) (e) 2,991 (p) (e) 484 (p) 16,024 (s) 10,170 (t) (e) 880 (u) 26 (v) (e) 1,218 (x) 20	..	30,572	13,489	36,643	96,397 (e) 55,004	..	26,122
Kurnool, East	(a) 3,728	(a) 72,474	(a) 29,098	..	23,619	1,026	13,898	24,308	..	(z) 5,958
Kurnool, West	(a) 3,164	(a) 29,958	(a) 17,612	..	(aa) 11,535	3,003	32,678	43,804	..	(aa) 11,514
Bellary	(bb) 345	(bb) 2,417	(bb) 8,194	4	2,244	15,509	56,558	189,571 (e) 29,789	..	37,084
Anantapur	..	..	..	..	..	3,070	52,190	70,867	..	17,581
Total, Northern Circle ..	19,277	182,502	90,973 (e) 8,336	4	82,267	52,998	260,223	443,153 (e) 91,396	..	1,19,723
Central Circle.										
Cuddapah	..	..	(cc) (e) 12,038	..	6,019	7,035	145,825	188,112	..	47,616
Nellore	..	68,092	(pp) 111,516 (ee) (e) 19,232	..	35,770	11,374	46	..	..	4,274
Chingleput	..	..	..	..	..	1,519	23,123	22,397	..	7,005
North Arcot	..	..	..	..	..	5,075	125,229 (gg) 120	71,751	..	32,121
South Arcot	..	(hh) 22,167	(ii) 172	..	5,564	4,868	107,843	100,542	..	31,472
North Salem	(kk) 1,776	(kk) 20,805	(kk) 13,444 (kk) (e) 2,852	..	26,696	487	40,845	4,682	..	8,280 (ll) 498
South Salem	(mm) 9	(mm) 5,316	(mm) (e) 1,133 (mm) 11	..	1,901	1,760	118,960 (nn) 6	28,869	..	25,672 (ll) 14
Trichinopoly	..	827	..	..	(oo) 1,342	753	27,959	124,643	..	17,210
Tanjore	..	..	..	..	..	346	2,016	2,679	..	759 (ll) 8
Total, Central Circle ..	1,785	187,207	125,143 (e) 35,255	..	77,292	33,217	591,972	543,675	..	1,74,929
Southern Circle.										
South Canara	75	477	..	..	235	3,449	21,284	..	..	5,284
North Malabar	..	..	..	..	..	3,924	8,064	..	..	2,985 (qq) 104
South Malabar	..	..	..	..	..	4	44	21	..	12 (qq) 35
The Nilgiris (rr)	..	..	..	..	..					
North Coimbatore	(a) 7,712	(a) 171,700	(a) 29,190	..	50,677	12,358	21,546	1,040	53	9,160
South Coimbatore	..	(ss) 321	..	..	120	156	3,645	..	..	742
Madura	(tt) 485	58,065	9,975 (e) 58,872	327	29,190	1,058	44,856	9,975	1	9,748
Tinnevelly	..	..	..	..	..	..	..	..	..	..
						1,238	19,437	25,611	..	6,510 (ll) 70
Total, Southern Circle ..	8,272	230,563	39,165 (e) 58,872	327	80,222	22,187	118,876	36,647	54	34,650
Grand Total, Reserved Forests, Presidency.	29,334	600,272	255,281 (e) 102,463	331	2,39,781	108,402	971,071	1,023,475 (e) 91,396	54	3,29,302

* Includes excess fees, viz., Rs. 2-10-0 collected for 21 buffaloes.
Note.—Full rates mean As. 6 per buffalo, As. 3 per cow or bullock and As. 1-6 per sheep or goat.
(a) As. 8 per buffalo, As. 4 per cow and As. 2 per sheep or goat.
(c) Anna 1 per buffalo, and Anna 1 per cow or bull.
(d) As. 2 per buffalo, Anna 1 per cow or bull and Pies 6 per sheep or goat.
(e) Goats.
(f) As. 4 per buffalo, As. 2 per cow or bull and As. 1-6 per sheep or goat.
(g) As. 12 per buffalo and As. 6 per cow.
(h) Re. 1 per buffalo.
(i) Re. 1 per cow.
(j) As. 8 per cow.
(k) As. 4 per sheep.
(l) As. 4 per goat.
(m) As. 3 per goat.
(n) Calves at Pies 6.
(o) Includes fees realized by sale of fodder grass in the Coringa Reserve.
(p) As. 12 per buffalo, As. 6 per cow or bullock and As. 3 per sheep or goat.
(q) Calves at As. 4.
(r) As. 12 per head.
(s) As. 3 per head.
(t) Goats at As. 12 per head.
(u) Kids at As. 6 per head.
(v) Goats at As. 8 per head.
(x) Kids at As. 4 per head.
(y) Plough bullocks at Re. 1 per head.
(z) Includes seigniorage fees collected on 2,204 cart loads, and 9 head loads of grass removed from the forest reserves.

No. 53.

Madras Presidency during 1904–1905.

Number of animals.						Grazing free. Number of animals.											
At privileged rates.						By right under settlement.					During pleasure of Government or otherwise than under settlement.						Grand total of value at full rates.
Buffaloes.	Cows and bullocks.	Goats and sheep.	Other animals.	Fees received. Actual.	Fees received. Value at full rates.	Buffaloes.	Cows and bullocks.	Goats and sheep.	Other animals.	Value of fees at full rates.	Buffaloes.	Cows and bullocks.	Goats and sheep.	Other animals.	Value of fees at full rates.	Total value of fees at full rates.	
12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29
				RS.	RS.					RS.					RS.	RS.	RS.
..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	11,356
..	..	..	..	..	..	..	200	..	..	38	..	3,950	..	..	740	778	5,024
(f)1,892 (d)3,051 (o) 486	(f)10,044 (d)17,305 (n) 25 (o)13,548	(f) 125 (d) 6,722	..	(o) 4,390	10,346	..	..	..	..	..	29	1,387	..	..	271	271	16,617
(f) 2,058	(f) 8,938	..	..	1,632	2,448	..	..	..	..	..	..	..	..	..	..	..	16,607
..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	56,694
..	..	..	..	..	..	..	994	2,202	..	393	..	..	..	..	..	393	29,970
..	..	..	..	..	..	..	1,491	3,303	..	589	..	..	..	..	..	589	23,638
..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	39,328
..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	17,581
7,487	49,860	6,847	..	6,022	12,794	..	2,685	5,505	..	1,020	29	5,337	..	..	1,011	2,031	2,16,815
..	(dd) 372	(dd) 395	..	46	107	..	1,900	..	..	356	..	..	..	..	..	356	54,098
..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	40,044 (ff)5,534
..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	7,005
..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	32,121
..	..	..	..	..	..	..	..	..	..	..	(jj) 896	(jj)2778	(jj) 45	..	861	861	37,897
..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	35,474
..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	27,587
..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	18,552
..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	767
..	372	395	..	46	107	..	1,900	..	..	356	896	2,778	45	..	861	1,217	2,59,079
..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	5,519
..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	3,089
..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	47
..	2,681	..	..	97	503	..	..	..	..	..	..	..	..	..	..	..	9,663
..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	51,419
..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	9,868
..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	29,190
..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	6,580
..	2,681	..	..	97	503	..	..	..	..	..	..	..	..	..	..	..	1,15,375
7,487	52,913	7,242	..	6,165	13,404	..	4,585	5,505	..	1,376	925	8,115	45	..	1,872	3,248	5,91,269

(aa) Includes fees realized for the removal of fodder grass.
(bb) 325 buffaloes at As. 10 per buffalo, 2,384 cows and bulls at As. 5 per head and 8,080 goats or sheep at As. 2-6 per sheep or goat in Hyrada and Sogi reserves; 20 buffaloes at As. 8 per head, 33 cows or bulls at As. 4 per head and 114 sheep or goats at As. 2 and other animals at As. 5 for grazing in Jagikalgutta reserve.
(cc) As. 8 per head. (dd) 313 cows and bullocks at As. 1-6 per head, and 59 at 1 anna each; 45 sheep at 9 pies each and 350 at 6 pies each.
(ee) Goats at As. 4 per head. (ff) Includes kancha rent, value of grass chits, etc. (gg) 120 calves at As. 1-6 each.
(hh) 20,623 cows at As. 4 per head (enhanced rate), 1,543 cows at As. 4 per head (penal rate), 1 cow at As. 6 (ii) As. 2 per sheep on account of fire.
(jj) Cattle of Malayalis allowed free in the Tenmalais, Tiruvannámalai range. (kk) As. 8 per buffalo, As. 4 per cow, As. 2 per sheep, As. 8per goat.
(ll) Includes fees realized by pen licenses. (mm) As. 8 per buffalo; As. 4 per cow, As. 2 per sheep, As. 8 per goat. (nn) Calves at As. 1-6 per head.
(oo) Fees realized by leasing certain plantations in the Udaiyárpálaiyam range for grazing of 827 bulls and cows. (pp) As. 2 per sheep.
(qq) Fees realized by lease of pasture lands. (rr) The privileged rates are daily rates of As. 3 per 100 per diem for cattle of Mysore Nomadic tribes; Re. 1 for foreign buffaloes, and As. 8 for foreign cows; As. 4 for foreign sheep. (ss) As. 6 per cow.
(tt) As. 8 per buffalo; As. 4 per cow, bull, horse or ass; As. 2 per sheep and As. 4 per goat.

Return of Grazing in the State forests of the

(b) *Reserved lands notified under*

Districts.	Grazing on payment. Number of animals.									
	At enhanced or special rates.					At full rates.				
	Buffaloes.	Cows and bullocks.	Goats and sheep.	Other animals.	Fees received.	Buffaloes.	Cows and bullocks.	Goats and sheep.	Other animals.	Fees received.
1	2	3	4	5	6	7	8	9	10	11
										Reserved and
Northern Circle.					RS.					RS.
Un-reserved lands—										
Gódávari	(a)4,089 (g) 55	(a) 8,740 (g) 157	..	..	4,330	..	..	..	..	..
Reserved lands—										
Bellary	..	..	..	..	..	372	2,499	93	..	617
Total, Northern Circle ..	4,144	8,897	..	..	4,330	372	2,499	93	..	617
Southern Circle.										
Reserved lands—										
South Canara	..	..	..	..	..	641	4,335	..	..	1,053
The Nilgiris	..	78	..	..	39	..	..	..	..	..
North Coimbatore	(f) 379	(f)10,449	(f) 24	..	2,805	..	..	..	..	..
Total, Southern Circle ..	379	10,527	24	..	2,844	641	4,335	..	..	1,053
Northern Circle.										
Reserved forests	19,277	182,502	90,973 (c) 8,336	4	82,267	52,998	260,223	443,153 (c) 91,396	..	1,19,723
Reserved lands	..	..	..	..	..	372	2,499	93	..	617
Unreserved lands	4,144	8,897	..	..	4,330	..	..	..	..	..
Total, Northern Circle ..	23,421	191,399	90,973 (c) 8,336	4	86,597	53,370	262,722	443,246 (c) 91,396	..	1,20,340
Central Circle.										
Reserved forests	1,785	187,207	125,143 (c)35,255	..	77,292	33,217	591,972	543,675	..	1,74,929
Southern Circle.										
Reserved forests	8,272	230,563	39,165 (c) 58,872	327	80,222	22,187	118,876	36,647	54	34,650
Reserved lands	379	10,527	24	..	2,844	641	4,335	..	..	1,053
Total, Southern Circle ..	8,651	241,090	39,189 (c) 58,872	327	83,066	22,828	123,211	36,647	54	35,703
Grand Total, Presidency ..	33,857	619,696	255,305 (c)102,463	331	2,46,955	109,415	977,905	1,023,568 (c) 91,396	54	3,30,972

(a) As. 8 per buffalo, As. 4 per bullock or cow, As. 1-6 per sheep. (b) Sale of pasture lands in the Delta and Rajamundry ranges.
(c) Goats. (d) As. 4 per buffalo, As. 2 per bull or cow, As. 1-6 per sheep or goat.
(e) Toda cattle allowed free grazing on Toda putta lands.
(f) As. 8 per buffalo, As. 4 per bull or cow, As. 2 per sheep or goat. (g) As. 12 per buffalo, As. 6 per bull or cow.

Note.—In several districts the Collectors have not reported the figures separately for each class of forests and in these cases the total number of animals is shown under Reserved Forests.

Madras Presidency during 1904–1905—*cont.*

section 4 of the Forest Act and unreserved lands, etc.

At privileged rates.						Grazing free. Number of animals. By right under settlement.					Grazing free. Number of animals. During pleasure of Government or otherwise than under settlement.						Grand total of value at full rates.
Buffaloes.	Cows and bullocks.	Goats and sheep.	Other animals.	Fees received. Actual.	Fees received. Value at full rates.	Buffaloes.	Cows and bullocks.	Goats and sheep.	Other animals.	Value of fees at full rates.	Buffaloes.	Cows and bullocks.	Goats and sheep.	Other animals.	Value of fees at full rates.	Total value of fees at full rates.	
12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29
Unreserved Lands.																	
				RS.	RS.					RS.					RS.	RS.	RS.
(*d*) 8	(*d*)286	(d) (c) 2,178 1,475	..	380	399	..	..	..	..	..	..	..	..	..	..	..	4,729 +(*b*) 804
..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	617
8	286	(*c*)2,178 1,475	..	380	399	..	..	..	..	..	..	..	..	..	..	..	6,150
..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	1,053
..	..	..	..	..	..	(*e*)2,251	..	..	..	844	..	..	..	..	..	..	883
..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	844	2,805
..	..	..	..	..	..	2,251	..	..	..	844	..	..	..	..	..	844	4,741
7,487	49,860	6,847	..	6,022	12,794	..	2,685	5,505	..	1,020	29	5,337	..	..	1,011	2,031	2,16,815
..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	617
8	286	*d*) (*c*)2,178 1,475	..	380	399	..	..	..	..	..	..	..	..	..	..	..	4,729 +(*b*)804
7,495	50,146	8,322 (*c*) 2,178	..	6,402	13,193	..	2,685	5,505	..	1,020	29	5,337	..	..	1,011	2,031	2,22,965
..	372	395	..	46	107	..	1,900	..	..	356	896	2,778	45	..	861	1,217	2,59,079
..	2,681	..	..	97	503	..	..	..	..	..	..	..	..	..	..	..	1,15,375
..	..	..	..	..	..	2,251	..	..	..	844	..	..	..	..	..	844	4,741
..	2,681	..	..	97	503	2,251	..	..	..	844	..	..	..	..	..	844	1,20,116
7,495	53,199	8,717 (*c*)2,178	..	6,545	13,803	2,251	4,585	5,505	..	2,220	925	8,115	45	..	1,872	4,092	6,02,160

Abstract of animals licensed to graze on payment.

—	Buffaloes.	Cows and bullocks.	Sheep.	Goats.	Other animals.
Northern Circle	84,286	504,267	542,541	101,910	4
Central Circle	35,002	779,551	669,213	35,255	..
Southern Circle	31,479	366,982	75,836	58,872	381
Total ..	150,767	1,650,800	1,287,590	196,037	385

Annual Form No. 54.

Forest Department, Madras Presidency.

Area of Plantations, Cultural Operations and Topes, 1904–1905.

District.		Number of plantations and topes.	Area in acres. On 1st July 1904.	Added during the year.	Excluded during the year.	Area on 30th June 1905.	Receipts. Of the year.	Charges Of the year.
1		2	3	4	5	6	7	8
				A. Regular Plantations.*				
							RS.	RS.
Northern Circle.	Ganjám	1	348	..	..	348	2,023	807 (a) 51
	Gódávari	3	530	85	..	615	4,742	4,756 * + 84
	Kistna	9	905	148	46	1,007	6,669	2,976
	Guntúr	12	1,652	90	15	1,727	273	1,176 * − 83
	Total, Northern Circle ..	25	3,435	323	61	3,697	13,707	9,767
Central Circle.	Cuddapah	8	2,100	..	..	2,100	350	480 * + 481
	Nellore	9	(b) 6,564	..	1,657	4,907	36,800	9,680
	Chingleput	..	222	..	..	222	876	355 * + 249
	North Arcot	7	1,175	..	..	1,175	7,354	1,022
	South do.	11	5,171	..	..	5,171	8,000	1,821 * + 95
	South Salem	2	6	..	..	6	11	278
	Tanjore	4	539	..	..	539	3,671	2,415
	Total, Central Circle ..	41	15,777	..	1,657	14,120	57,062	16,876
Southern Circle.	South Canara	2	122	..	..	122	957	170 * + 3
	North Malabar	..	512	188	..	700	..	2,649
	South do.	25	5,278	102	..	5,380	33,414	7,026
	The Nilgiris	22	1,645	..	..	1,645	12,665	11,844 * − 14,844
	South Coimbatore ..	8	30	..	..	30	..	..
	Madura	5	275	..	..	275	..	..
	Total, Southern Circle ..	62	7,862	290	..	8,152	47,036	9,848
	Grand Total, Regular Plantations, Presidency.	128	27,074	613	1,718	25,969	1,17,805	36,491
				B. Cultural Operations.				
Northern Circle.	Ganjám	..	168	..	..	168	149	169
	Gódávari	..	384	..	..	384	650	546
	Kistna	..	35	2	..	37	150	404
	Guntúr	..	1	..	..	1	..	30
	Kurnool East	..	..	..	..	..	..	(c) 14
	,, West	..	..	..	..	..	..	(c) 152
	Bellary	..	153	..	..	153	..	605 * − 3
	Anantapur	..	..	..	..	..	..	(d) 115 (e) 134
	Total, Northern Circle ..	..	741	2	..	743	949	2,166
Central Circle.	Cuddapah	..	597	..	..	597	16	202
	Nellore	..	1,441	359	446	1,354	..	..
	Chingleput	..	73	183	..	256	..	14
	North Arcot	..	585	366	..	951	..	105
	Tanjore	..	1,161	..	..	1,161	1,621	2
	Trichinopoly	..	MLS. 91 32	..	..	MLS. 91 32	..	129
	Total, Central Circle ..	..	3,889 MLS. 91	908	446	4,351 MLS. 91	1,637	452

* Added or deducted as per Accountant-General's audited figures.

(a) Pay of gardener employed in Mohaghara reserve and amount spent on miscellaneous items.
(b) Revised figures reported by Collector.
(c) Charges incurred in purchasing baskets for planting Mahagony seeds.
(d) Amount spent in collecting seeds.
(e) Establishment charges.

Area of Plantations, Cultural Operations and Topes, 1904–1905—*cont.*

District.		Number of plantations and topes.	Area in acres. On 1st July 1904.	Added during the year.	Excluded during the year.	Area on 30th June 1905	Receipts. Of the year.	Charges. Of the year.
1		2	3	4	5	6	7	8
				B. Cultural Operations.—cont.				
							RS.	RS.
Southern Circle.	South Malabar	..	(a) 34	27	..	61	..	1,351
	The Nilgiris	..	488	..	..	488	..	1,490
	South Coimbatore	..	50	..	..	50	..	89 * + 233
	Madura	..	..	70	..	70	..	170 * + 14
	Tinnevelly	..	5,608	..	..	5,608	6	1,080
	Total, Southern Circle	..	6,180	97	..	6,277	6	4,427
	Grand Total, Cultural Operations, Presidency.		10,810 MLS. 91	1,007	446	11,371 MLS. 91	2,592	7,045
				C. Topes.				
Northern Circle.	Ganjám	7	101	..	..	101	23	..
	Vizagapatam	2	78	..	..	78	305	146
	Kistna	6	31	..	..	31	10	60
	Guntúr	(a) 9	105	6	..	111	111	..
	Kurnool East	4	39	..	..	39	..	..
	,, West	23	160	..	..	160	..	..
	Bellary	30	212	..	..	212	..	72
	Anantapur	905	2,885	..	..	2,885	..	..
	Total, Northern Circle	986	3,611	6	..	3,617	449	278
Central Circle.	Cuddapah (b)	..	..	..	..	..	..	..
	Nellore	22	7,117	..	..	7,117	..	* + 2,024
	North Arcot	50	(a) 1,454	..	..	1,454	798	217
	South do.	(a) 59	(a) 425	..	..	425	22	7
	North Salem	65	918	..	21	897	779	52 * + 127
	South do.	60	672	55	5	722	813	460
	Trichinopoly	19	595	..	..	595	1,684	* + 1,137
	Total, Central Circle	275	11,181	55	26	11,210	4,096	4,024
Southern Circle.	North Malabar	..	56	..	..	56	..	107 * + 855
	South do.	1	20	2	..	22	..	..
	North Coimbatore	3	209	..	..	209	..	* + 101
	Tinnevelly	8	44	..	..	44	..	..
	Total, Southern Circle	12	329	2	..	331	..	1,063
	Grand Total, Topes, Presidency	1,273	15,121	63	26	15,158	4,545	5,365
	Northern Circle, Regular Plantations, Cultural operations and Topes	1,011	7,787	331	61	8,057	15,105	12,211
	Central Circle, Regular Plantations, Cultural operations and Topes.	316	30,847 MLS. 91	963	2,129	29,681 MLS. 91	62,795	21,352
	Southern Circle, Regular Plantations, Cultural operations and Topes	74	14,371	389	..	14,760	47,042	15,338
	Grand Total, Presidency	1,401	53,005 MLS. 91	1,683	2,190	52,498 MLS. 91	1,24,942	48,901

* Added or deducted as per Accountant-General's audited figures.

(a) Revised figures reported by Collector. (b) Transferred to reserved forests; hence not shown.

FORM

Forest Department

OUTTURN (in cubic feet solid) of Timber and Fuel and of Bamboos

District.	Timber.					Fuel.	
	Government.	Purchasers.	Free-grantees.	Right-holders.	Total.	Government.	Purchasers.
1	2	3	4	5	6	7	8
NORTHERN CIRCLE.	C. FT.	C. FT.	C. FT.		C. FT.	C. FT.	C. FT.
Ganjám.							
Reserved forests—							
Sál	1,000	101,006	..	..	102,006	..	..
Miscellaneous	10,671	100,763	560	..	111,994	..	..
Total ..	11,671	201,769	560	..	214,000	66,525	542,538
Reserved lands—							
Sal	177	..	..	..	177	..	..
Miscellaneous	..	46	..	..	46	..	..
Total ..	177	46	..	..	223	..	..
Unreserved lands—							
Miscellaneous	3,550	245,505	1,740	..	250,795	..	47,324
Total Ganjám ..	15,398	447,320	2,300	..	465,018	66,525	589,862
Vizagapatam.							
Reserved forests—							
Miscellaneous	2,486	47,655	..	..	50,141	* 273,724	147,802
Unreserved lands—							
Miscellaneous	..	30,890	..	..	30,890	..	25,550
Total Vizagapatam ..	2,486	78,545	..	..	81,031	273,724	173,352
Gódávari.							
Reserved forests—							
Teak	3,437	4,822	..	..	8,259	..	..
Maddi (*Terminalia tomentosa*)	511	86	..	..	597	..	..
Ironwood (*Xylia dolabriformis*)	261	..	..	..	261	..	..
Miscellaneous	..	71,626	..	..	71,626	..	..
Total ..	4,209	76,534	..	..	80,743	439,804	50,584
Unreserved lands—							
Teak	157	1,507	..	..	1,664	..	..
Maddi	52	18,945	81	..	19,078	..	..
Vengai or yegisi	36	4,890	..	..	4,926	..	..
Rosewood (*Dalbergia latifolia*) ..	2	..	..	..	2	..	..
Ironwood (*Xylia dolabriformis*)	2	..	..	..	2	..	..
Miscellaneous	3,428	227,809	7,300	..	238,537	..	..
Total ..	3,677	253,151	7,381	..	264,209	50,311	258,486
Total Gódávari ..	7,886	329,685	7,381	..	344,952	490,115	309,070
Kistna.							
Reserved forests—							
Miscellaneous	2,231	28,957	215	..	31,403	69,378 † 351	507,986 † 324
Unreserved lands—							
Miscellaneous	..	102,376	8,144	..	110,520	..	358,358
Total Kistna ..	2,231	131,333	8,359	..	141,923	69,729	866,668
Guntur.							
Reserved forest—							
Miscellaneous	2,616	2,231	750	..	5,597	142,985	119,117
Unreserved lands—							
Miscellaneous	679	47,031	4,374	..	52,084	85	53,140
Total Guntúr ..	3,295	49,262	5,124	..	57,681	143,070	172,257

* Excludes 9,640 kunchams and 979 lbs. of charcoal the equivalent

† Charcoal.

No. 55.

Madras Presidency.

(in number) during the year 1904–1905, and Agency of Exploitation.

			Total.	Bamboos.				
Free-grantees.	Right-holders.	Total.	Outturn.	Government.	Purchasers.	Free-grantees.	Right-holders.	Total.
9	10	11	12	13	14	15	16	17
		C. FT.	C. FT.	NO.	NO.	NO.		NO.
..	..	..	..	..	..	..	..	..
..	..	..	..	..	..	..	..	..
..	..	609,063	823,063	470,380	1,306,245	14,200	..	1,790,825
..	..	..	..	..	..	..	..	..
..	..	..	..	..	..	..	..	..
..	..	..	223	..	900	..	..	900
..	..	47,324	298,119	..	15,235	4,590	..	19,825
..	..	656,387	1,121,405	470,380	1,322,380	18,790	..	1,811,550
..	..	421,526	471,667	14,300	1,199,870	..		1,214,170
..	..	25,550	56,440	..	13,320	..	..	13,320
..	..	447,076	528,107	14,300	1,213,190	..	..	1,227,490
..	..	..	..	..	..	..	..	..
..	..	..	..	..	..	..	..	..
..	..	..	..	..	..	..	..	..
..	..	..	..	..	..	..	..	..
..	..	490,388	571,131	4,000	3,688,282	3,250	..	3,695,532
..	..	..	..	..	..	..	..	..
..	..	..	..	..	..	..	..	..
..	..	..	..	..	..	..	..	..
..	..	..	..	..	..	..	..	..
..	..	..	..	..	..	..	..	..
..	..	..	..	..	..	..	..	..
..	..	308,797	573,006	5,750	7,013,704	..	..	7,019,454
..	..	799,185	1,144,137	9,750	10,701,986	3,250	..	10,714,986
..	..	578,039	609,442	..	275,200	400	..	275,600
..	..	358,358	468,878	..	..	..	..	..
..	..	936,397	1,078,320	..	275,200	400	..	275,600
..	..	262,102	267,699	400	..	..	..	400
..	..	53,225	105,309	..	500	..	..	500
..	..	315,327	373,008	400	500	..	..	960

in cubic feet of which is reported by the Collector as not known.

Outturn (in cubic feet solid) of Timber and Fuel and of Bamboos

District.	Timber.						
	Government.	Purchasers.	Free-grantees.	Right-holders.	Total.	Government.	Purchasers.
1	2	3	4	5	6	7	8
NORTHERN CIRCLE—*cont.*	C. FT.	C. FT.	C. FT.	C. FT.	C. FT.	C. FT.	C. FT.
Kurnool, East.							
Reserved forests –							
Teak	1,994	..	..	..	1,994	..	..
Maddi (*Terminalia tomentosa*)	50	..	..	..	50	..	..
Vengai	2,188	..	..	..	2,188	..	..
Miscellaneous	760	69,141	520	524	70,945	..	..
Total	4,992	69,141	520	524	75,177	1,748,055	77,555
Unreserved lands—							
Miscellaneous	..	..	..	..	..	..	1,185
Total, Kurnool East	4,992	69,141	520	524	75,177	1,748,055	78,740
Kurnool, West.							
Reserved forests—							
Teak	187	..	..	..	187	..	..
Maddi (*Terminalia tomentosa*)	1,941	..	..	..	1,941	..	..
Vengai	9,239	..	..	..	9,239	..	..
Miscellaneous	4,470	180,560	6,270	787	192,087	..	..
Total	15,837	180,560	6,270	787	203,454	620,350	230,503
Reserved lands—							
Miscellaneous	..	5,095	..	..	5,095	17,680	23,498
Unreserved lands—							
Miscellaneous	..	1,402	..	..	1,402	19,482	57,200
Total, Kurnool West	15,837	187,057	6,270	787	209,951	657,512	311,201
Bellary.							
Reserved forests—							
Miscellaneous	..	9,912	1,689	..	11,601	3,500	38,675
Reserved lands including leased forests—							
Teak	1,471	..	..	..	* 1,471	..	..
Miscellaneous	7,957	..	..	..	7,957	..	..
Total	9,428	..	..	..	9,428	796,845	21,500
Unreserved lands—							
Miscellaneous	..	96,152	..	..	96,152	..	307,028
Total, Bellary	9,428	† 106,064	1,689	..	117,181	800,345	† 367,203
Anantapur.							
Reserved forests –							
Miscellaneous	560	14,095	80	..	14,735	26,316	38,412
Unreserved lands—							
Miscellaneous	..	18,418	..	..	18,418	162,928	79,468
Total, Anantapur	560	32,513	80	..	33,153	189,244	117,880
CENTRAL CIRCLE.							
Cuddapah.‡							
Reserved forests—							
Miscellaneous	76,011	127,449	10,968	..	214,428	264,198	283,356
Unreserved lands—							
Miscellaneous	..	25,741	..	..	25,741	..	194,012
Total, Cuddapah	76,011	153,190	10,968	..	240,169	264,198	477,368
Nellore.							
Reserved forests—							
Miscellaneous	2,535	10,404	955	..	13,894	652,674	464,562
Reserved lands	..	2,068	..	..	2,068	..	1,051
Unreserved lands	..	35,558	3,860	..	39,418	..	35,783
Total, Nellore	2,535	48,030	4,815	..	55,380	652,674	501,396

* One-sixth of a cubic foot of sandalwood was also collected but not shown being below 1 cubic foot.
† Includes confiscated produce.
‡ All the timber in the district have been shown as "miscellaneous" although large areas of red sanders were exploited by Government agency.

(in number) during the year 1904-1905, and Agency of Exploitation—*cont.*

Fuel.			Total.	Bamboos.				
Free-grantees.	Right-holders.	Total.	Outturn.	Government.	Purchasers.	Free-grantees.	Right-holders.	Total.
9	10	11	12	13	14	15	16	17
	C. FT.	C. FT.	C. FT.	NO.	NO.	NO.	NO.	NO.
..	..	..	..	..	..	..	..	..
..	..	..	..	..	..	..	..	..
..	..	..	..	..	..	..	..	..
..	..	..	..	..	..	..	..	..
..	103,004	1,928,614	2,003,791	..	1,289,350	3,250	8,196	1,300,796
..	..	1,185	1,185	..	..	..	..	..
..	103,004	1,929,799	2,004,976	..	1,289,350	3,250	8,196	1,300,796
..	..	..	..	..	..	..	..	..
..	..	..	..	..	..	..	..	..
..	..	..	..	..	..	..	..	..
..	..	..	..	..	..	..	..	..
..	154,506	1,005,359	1,208,813	65,951	3,683,600	16,000	12,293	3,777,844
..	..	41,178	46,273	..	..	..	..	..
..	..	76,682	78,084	..	..	..	..	..
..	154,506	1,123,219	1,333,170	65,951	3,683,600	16,000	12,293	3,777,844
640	..	42,815	54,416	..	17,859	..	..	17,859
..	..	..	..	..	..	..	..	..
..	..	..	..	..	..	..	..	..
..	..	818,345	827,773	300	95,341		..	95,641
..	..	307,028	403,180	..	..	..	..	..
640	..	1,168,188	1,285,369	300	113,200	..	..	113,500
..	..	64,728	79,463	..	14,352	..	..	14,352
..	..	242,396	260,814	..	..	..	..	..
..	..	307,124	340,277	..	14,352	..	..	14,352
..	..	547,554	761,982	..	1,442,640	52,850	..	1,495,490
..	..	194,012	219,753	..	..	..	..	..
..	..	741,566	981,735	..	1,442,640	52,850	..	1,495,490
..	..	1,117,236	1,131,130	..	5,675	..	..	5,675
..	..	1,051	3,119	..	..	..	..	..
..	..	35,783	75,201	..	..	..	..	..
..	..	1,154,070	1,209,450	..	5,675	..	..	5,675

Outturn (in cubic feet solid) of Timber and Fuel and of Bamboos

District.	Timber.					Fuel.	
	Government.	Purchasers.	Free-grantees.	Right-holders.	Total.	Government.	Purchasers.
1	2	3	4	5	6	7	8
CENTRAL CIRCLE—*cont.*	C. FT.	C. FT.	C. FT.	C. FT.	C. FT.	C. FT.	C. FT.
Chingleput.							
Reserved forests—							
Miscellaneous	..	180	..	..	180	30,233	66,878
Unreserved lands—							
Miscellaneous	..	32,534	14,320	..	46,854	5,740	46,633
Total, Chingleput ..	..	32,714	14,320	..	47,034	35,973	113,511
North Arcot.							
Reserved forests—							
Sandalwood (*Santalum album*).	558	..	..	..	558	..	..
Red sanders (*Pterocarpus santalinus*)	738	..	..	..	738	..	..
Miscellaneous	2,276	1,374	1,500	..	5,150	..	..
Total ..	3,572	1,374	1,500	..	6,446	325,841	575,687
Unreserved lands—							
Miscellaneous	..	63,419	10,823	..	74,242	..	398,000
Total, North Arcot ..	3,572	64,793	12,323	..	80,688	325,841	973,687
South Arcot.							
Reserved forests—							
Sandalwood	5	..	..	..	5	..	..
Miscellaneous	495	6,773	..	..	7,268	..	..
Total ..	500	6,773	..	..	7,273	40,230	225,063
Unreserved lands—							
Miscellaneous	..	54,805	7,807	..	62,612	29	247,742
Total, South Arcot ..	500	61,578	7,807	..	69,885	40,259	472,805
North Salem.							
Reserved forests—							
Sandalwood	995	..	..	..	995	..	..
Teak	666	..	..	..	666	..	..
Miscellaneous	15,883	..	..	..	15,883	..	..
Total ..	17,544	..	..	..	17,544	17,910	..
Unreserved lands—							
Sandalwood	710	..	..	..	710	..	..
Miscellaneous	7,319	52,887	9	..	60,215	..	..
Total ..	8,029	52,887	9	..	60,925	33,660	372,589
Total, North Salem ..	25,573	52,887	9	..	78,469	51,570	372,589
South Salem.							
Reserved forest—							
Miscellaneous	2,974	..	..	..	2,974	466,639	10,831
Unreserved lands—							
Sandalwood	362	..	..	..	362	..	..
Miscellaneous	1,447	63,344	1,780	..	66,571	..	..
Total ..	1,809	63,344	1,780	..	66,933	7,376	234,510
Total, South Salem ..	4,783	63,344	1,780	..	69,907	474,015	245,341
Trichinopoly.							
Reserved forests—							
Miscellaneous	..	28,860	..	..	28,860	214,056	209,509
Unreserved lands—							
Miscellaneous	..	8,759	1,063	..	9,822	157,780	786,363
Total, Trichinopoly ..	..	37,619	1,063	..	38,682	371,836	995,872
Tanjore.							
Reserved forests—							
Miscellaneous	700	15,151	..	..	15,851	1,929	381,168
Unreserved lands—							
Miscellaneous	..	..	900	..	900	..	313,969
Total, Tanjore ..	700	15,151	900	..	16,751	1,929	695,137

(in number) during the year 1904–1905, and Agency of Exploitation—*cont.*

			Total.	Bamboos.				
Free-grantees.	Right-holders.	Total.	Outturn.	Government.	Purchasers.	Free-grantees.	Right-holders.	Total.
9	10	11	12	13	14	15	16	17
C. FT.		C. FT.	C. FT.	NO.	NO.	NO.		NO.
..	..	97,111	97,291	..	534	..	..	534
..	..	52,373	99,227	..	278	340	..	618
..	..	149,484	196,518	..	812	340	..	1,152
..	..	..	..	..	..	..	..	..
..	..	..	..	..	..	..	..	..
..	..	..	..	..	..	..	..	..
..	..	901,528	907,974	3,280	3,788,360	78,860	..	3,870,500
..	..	398,000	472,242	..	..	..	..	..
..	..	1,299,528	1,380,216	3,280	3,788,360	78,860	..	3,870,500
..	..	..	..	..	..	..	..	..
..	..	..	..	..	..	..	..	..
400	..	265,693	272,966	142	1,483,910	..	..	1,484,052
...	..	247,771	310,383	7	3,497	..	..	3,504
400	..	513,464	583,349	149	1,487,407	..	..	1,487,556
..	..	..	..	..	..	..	..	..
..	..	..	..	..	..	..	..	..
..	..	..	..	..	..	..	..	..
..	..	17,910	35,454	28,600	..	..	..	28,600
..	..	..	..	..	..	..	..	..
..	..	..	..	..	..	..	..	..
..	..	406,249	467,174	2,392	2,821,000	168	..	2,823,560
..	..	424,159	502,628	30,992	2,821,000	168	..	2,852,160
..	..	477,470	480,444	3,250	4,231,050	500	..	4,234,800
..	..	..	..	..	..	..	..	..
..	..	..	..	..	..	..	..	..
..	..	241,886	308,819	..	195,775	9,100	..	204,875
..	..	719,356	789,263	3,250	4,426,825	9,600	..	4,439,675
..	..	423,565	452,425	..	103,091	..	..	103,091
..	..	944,143	953,965	..	62,476	..	..	62,476
..	..	1,367,708	1,406,390	..	165,567	..	..	165,567
..	..	383,097	39[illegible],948	..	..	..	..	..
..	..	313,969	314,869	..	2,356	..	..	2,356
..	..	697,066	713,817	..	2,356	..	..	2,356

Outturn (in cubic feet solid) of Timber and Fuel and of Bamboos

District.	Timber.						
	Government.	Purchasers.	Free-grantees.	Right-holders.	Total.	Government.	Purchasers.
1	2	3	4	5	6	7	8
SOUTHERN CIRCLE.	C. FT.	C. FT.	C. FT.	C. FT.	C. FT.	C. FT.	C. FT.
South Canara.							
Reserved Forests—							
Rosewood (*Dalbergia latifolia*)	698	25	..	..	723	..	..
Vengai (*Pterocarpus marsupium*)	..	75	..	..	75	..	..
Ironwood (*Xylia dolabriformis*)	169	..	..	..	169	..	..
Hopea (Kiralbhogi)	239	150	..	..	389	..	..
Maddi (*Terminalia tomentosa*) ..	1,139	1,550	..	..	2,689	..	..
Miscellaneous	13,133	1,648	..	..	14,781	..	..
Total ..	15,378	3,448	..	..	18,826	203,505	86,697
Reserved lands—							
Teak	..	25	..	..	25	..	..
Rosewood	5	25	..	..	30	..	..
Ironwood	62	25	..	..	87	..	..
Hopea	12	50	..	..	62	..	..
Maddi	..	400	..	..	400	..	..
Miscellaneous	..	475	..	..	475	..	..
Total ..	79	1,000	..	..	1,079	..	22,401
Unreserved lands—							
Teak	..	551	..	2,525	3,076	..	..
Rosewood	..	900	..	1,175	2,075	..	..
Vengai	..	83	..	125	208	..	..
Ironwood	27	723	100	2,475	3,325	..	..
Hopea	325	1,486	250	78,375	80,436	..	..
Maddi	47	1,262	575	400	2,284	..	..
Miscellaneous	218	10,112	75	34,125	44,530	..	..
Total ..	617	15,117	1,000	119,200	135,934	..	170,366
Total, South Canara ..	16,074	* 19,565	1,000	119,200	155,839	203,505	279,464
North Malabar.							
Reserved forests—							
Teak	80,980	3,770	..	..	84,750	..	..
Vengai (*Pterocarpus marsupium*)	10,654	2,052	..	..	12,706	..	..
Blackwood (*Dalbergia latifolia*)	2,905	868	..	..	3,773	..	..
Benteak (*Lagerstromia microcarpa*)	1,734	73	..	..	1,807	..	..
Maddi (*Terminalia tomentosa*).	18,749	491	..	..	19,240	..	..
Irul or Ironwood (*Xylia dolabriformis*)	1,502	..	..	..	1,502	..	..
Miscellaneous	10,700	..	..	..	10,700	..	..
Total ..	127,224	7,254	..	..	134,478	..	2,820
Unreserved lands—							
Blackwood (*Dalbergia latifolia*)	..	739	..	..	739	..	..
Miscellaneous	..	1,495	..	..	1,495	..	..
Total ..	..	† 2,234	..	..	2,234	..	300
Total, North Malabar ..	127,224	9,488	..	..	136,712	..	3,120
South Malabar.							
Reserved forests—							
Teak	6,579	7,150	..	..	13,729	..	..
Rosewood or blackwood ..	..	1,040	..	..	1,040	..	..
Irul or Ironwood	12,203	3,900	..	..	16,103	..	..
Maddi	422	10,650	..	..	11,072	..	..
Miscellaneous	4,507	18,330	..	..	22,837	..	..
Total ..	23,711	41,070	..	..	64,781	278,771	..

* Includes confiscated and waif produce.
† Besides, Rs. 878 were realised by the Tahsildar of Wynaad on account of the value of trees on darkast lands ; the

(in number) during the year 1904-1905, and Agency of Exploitation—*cont.*

Fuel.			Total.	Bamboos.				
Free-grantees.	Right-holders.	Total.	Outturn.	Government.	Purchasers.	Free-grantees.	Right-holders.	Total.
9	10	11	12	13	14	15	16	17
C. FT.	C. FT.	C. FT.	C. FT.	NO.	NO.	NO.	NO.	NO.
..	..	..	..	..	..	..	..	..
..	..	..	..	..	..	..	..	..
..	..	..	..	..	..	..	..	..
..	..	..	..	..	..	..	..	..
..	..	..	..	..	..	..	..	..
..	..	..	..	..	..	..	..	..
..	..	290,202	309,028	14,944	16,817	..	..	31,761
..	..	..	..	..	..	..	..	..
..	..	..	..	..	..	..	..	..
..	..	..	..	..	..	..	..	..
..	..	..	..	..	..	..	..	..
..	..	..	..	..	..	..	..	..
..	..	..	..	..	..	..	..	..
..	..	22,401	23,480	50	4,450	..	..	4,500
..	..	..	..	..	..	..	..	..
..	..	..	..	..	..	..	..	..
..	..	..	..	..	..	..	..	..
..	..	..	..	..	..	..	..	..
..	..	..	..	..	..	..	..	..
..	..	..	..	..	..	..	..	..
..	..	..	..	..	..	..	..	..
..	..	170,366	306,300	250	63,765	..	..	64,015
..	..	482,969	638,808	15,244	* 85,032	..	..	100,276
..	..	..	..	..	..	..	..	..
..	..	..	..	..	..	..	..	..
..	..	..	..	..	..	..	..	..
..	..	..	..	..	..	..	..	..
..	..	..	..	..	..	..	..	..
..	..	..	..	..	..	..	..	..
..	..	..	..	..	..	..	..	..
..	..	2,820	137,298	2,700	18,050	..	..	20,750
..	..	..	..	..	..	..	..	..
..	..	..	..	..	..	..	..	..
..	..	300	2,534	..	..	..	..	..
..	..	3,120	139,832	2,700	18,050	..	..	20,750
..	..	..	..	..	..	..	..	..
..	..	..	..	..	..	..	..	..
..	..	..	..	..	..	..	..	..
..	..	..	..	..	..	..	..	..
..	..	..	..	..	..	..	..	..
..	..	278,771	343,552	2,241	23,616	..	..	25,857

volume of the wood sold is not known.

Outturn (in cubic feet solid) of Timber and Fuel and of Bamboos

District.	Timber.						
	Government.	Purchasers.	Free-grantees.	Right-holders.	Total.	Government.	Purchasers.
1	2	3	4	5	6	7	8
SOUTHERN CIRCLE—*cont.*	C. FT.	C. FT.	C. FT.	C. FT.	C. FT.	C. FT.	C. FT.
South Malabar—cont.							
Reserved lands—							
Teak	67,596	149	..	..	67,745	..	..
Rosewood or blackwood ..	760	182	..	..	942	..	..
Irul or ironwood	57,268	14,560	..	..	71,828	..	..
Vengai	574	..	..	..	574	..	..
Hopea (Irubhogham)	50	..	..	..	50	..	..
Maddi	6,413	1,326	..	..	7,739	..	..
Miscellaneous	47,651	14,118	..	..	61,769	..	..
Total ..	180,312	30,335	..	..	210,647	5,906	120
Unreserved lands—							
Irul or ironwood	71	..	..	..	71	..	..
Miscellaneous	882	252	..	..	1,134	..	..
Total ..	953	252	..	..	1,205	..	40
Total, South Malabar ..	204,976	71,657	..	..	276,633	284,677	160
The Nilgiris.							
Reserved forests—							
Sandalwood	372	..	..	..	372	..	..
Teak	12,498	535	..	..	13,033	..	..
Vengai	6,186	385	..	..	6,571	..	..
Blackwood or Rosewood ..	3,508	51	..	..	3,559	..	..
Venteak	2,965	..	..	..	2,965	..	..
Miscellaneous	4,122	3,826	52	..	8,000	..	..
Total ..	29,651	4,797	52	..	34,500	424,471	40,477
Reserved lands—							
Miscellaneous	..	98	..	200	298	..	..
Unreserved lands—							
Miscellaneous	10,790	6,424	..	..	6,424	..	..
Total, The Nilgiris ..	29,651	11,319	52	200	41,222	424,471	40,477
North Coimbatore.							
Reserved forests—							
Sandalwood	† 2,859	..	..	..	2,859	..	..
Vengai	4,895	..	..	..	4,895	..	..
Karumathi (*Terminalia tomentosa*)	361	..	..	..	361	..	..
Miscellaneous	2,675	15,606	..	..	18,281	..	..
Total ..	10,790	15,606	..	..	26,396	31,209	72,929
Unreserved lands—							
Miscellaneous	..	402	2,613	..	3,015	..	4,671
Total, North Coimbatore ..	10,790	16,008	‡ 2,613	..	29,411	31,209	77,600
South Coimbatore.							
Reserved forests—							
Teak	12,004	270	..	..	12,274	..	..
Rosewood	402	..	..	..	402	..	..
Ironwood	2,079	..	..	..	2,079	..	..
Vengai	16,051	337	..	..	16,388	..	..
Karumarudu (Maddi)	10,391	..	..	..	10,391	..	..
Miscellaneous	41,314	21,251	315	..	62,880	..	..
Total ..	82,241	21,858	315	..	104,414	712,395	474,011 * 2,694
Unreserved lands—							
Miscellaneous	549	1,135	180	..	1,864	1,289	9,504
Total, South Coimbatore ..	82,790	22,993	495	..	106,278	713,684	486,209

* Charcoal. † Excludes one tree the volume of which is stated to be not known.
‡ Includes 45 palmyra trees the volume of which gas been taken to be 1,800 cubic feet or 40 cubic feet a tree.

(in number) during the year 1904-1905, and Agency of Exploitation—*cont.*

Fuel.			Total.	Bamboos.				
Free-grantees.	Right-holders.	Total.	Outturn.	Government.	Purchasers.	Free-grantees.	Right-holders.	Total.
9	10	11	12	13	14	15	16	17
C. FT.	C. FT.	C. FT.	C. FT.	NO.	NO.	NO.	NO.	NO.
..	..	..	..	..	..	..	..	..
..	..	..	..	..	..	..	..	..
..	..	..	..	..	..	..	..	..
..	..	..	..	..	..	..	..	..
..	..	..	..	..	..	..	..	..
..	..	..	..	..	..	..	..	..
..	..	..	..	..	..	..	..	..
..	..	6,026	216,673	40,570	6,600	..	..	47,170
..	..	..	..	..	..	..	..	..
..	..	..	..	..	..	..	..	..
..	..	40	1,245	..	..	..	..	..
..	..	284,837	561,470	42,811	30,216	..	..	73,027
..	..	..	..	..	..	..	..	..
..	..	..	..	..	..	..	..	..
..	..	..	..	..	..	..	..	..
..	..	..	..	..	..	..	..	..
..	..	..	..	..	..	..	..	..
..	..	..	..	..	..	..	..	..
1,760	..	466,708	501,208	..	54,936	3,685	..	58,621
23	67	90	388	..	..	..	1,150	1,150
..	..	..	6,424	..	..	..	..	..
1,783	67	466,798	508,020	..	54,936	3,685	1,150	59,771
					..	..	..	..
..	..	..	..	..	..	..	..	..
..	..	..	..	..	..	..	..	..
					..	..	..	..
..	..	..	..	..	..	..	..	..
..	..	..	..	..	..	..	..	..
..	..	104,138	130,534	..	171,720	320	..	172,040
110	..	4,781	7,796	..	..	..	..	..
110	..	108,919	138,330	..	171,720	320	..	172,040
..	..	..	..	..	..	..	..	..
..	..	..	..	..	..	..	..	..
..	..	..	..	..	..	..	..	..
..	..	..	..	..	..	..	..	..
..	..	..	..	..	..	..	..	..
..	..	..	..	..	..	..	..	..
..	..	1,189,100	1,293,514	2,000	1,628,960	3,360	..	1,634,320
..	..	10,793	12,657	..	..	..	..	..
..	..	1,199,893	1,306,171	2,000	1,628,960	3,360	..	1,634,320

Outturn (in cubic feet solid) of Timber and Fuel and of Bamboos

District.	Timber.						
	Government.	Purchasers.	Free-grantees.	Right-holders.	Total.	Government.	Purchasers.
1	2	3	4	5	6	7	8
SOUTHERN CIRCLE—*cont.*	C. FT.	C. FT.	C. FT.	C. FT.	C. FT.	C. FT.	C. FT.
Madura.							
* Reserved forests—							
Teak	780	..	..	..	† 780	..	..
Rosewood	42	..	..	..	42	..	..
Miscellaneous	108	6,418	..	..	6,526	..	..
Total ..	930	6,418	..	..	7,348	1,470,738	362,213
Unreserved lands—							
Miscellaneous	1,080	67,107	..	..	68,187	..	254,550
Total, Madura ..	2,010	73,525	..	..	75,535	1,470,738	616,763
Tinnevelly.							
Reserved forests—							
Teak	‡ 60	..	..	..	60	..	..
Hopea	117	..	..	..	117	..	..
Miscellaneous	5,732	50,306	270	..	56,308	..	..
Total ..	5,909	50,306	270	..	56,485	..	1,151,413
Unreserved lands—							
Miscellaneous	..	..	325	..	325	9,125	268,061
Total, Tinnevelly ..	5,909	50,306	595	..	56,810	9,125	1,419,474
NORTHERN CIRCLE.							
Reserved forests—							
Sâl (*Shorea roâusta*)	1,000	101,006	..	..	102,006	..	..
Teak (*Tectona grandis*)	5,618	4,822	..	..	10,440	..	..
Vengai (*Pterocarpus marsupium*)	11,427	..	..	..	11,427	..	..
Ironwood (*Xylia dolabriformis*).	261	..	..	..	261	..	..
Maddi (*Terminalia tomentosa*)..	2,502	86	..	..	2,588	..	..
Miscellaneous	23,794	524,940	10,084	1,311	560,129	..	..
Total ..	44,602	630,854	10,084	1,311	686,851	3,390,988	1,753,496
Reserved lands—							
Sâl (*Shorea robusta*)	177	..	..	..	177	..	..
Teak (*Tectona grandis*) ..	1,471	..	..	..	1,471	..	..
Miscellaneous	7,957	5,141	..	..	13,098	..	..
Total ..	9,605	5,141	..	..	14,746	814,525	44,998
Unreserved lands—							
Teak	157	1,507	..	..	1,664	..	..
Vengai	36	4,890	..	..	4,926	..	..
Rosewood (*Dalbergia latifolia*).	2	..	..	..	2	..	..
Ironwood	2	..	..	..	2	..	..
Maddi (*Terminalia tomentosa*)..	52	18,945	81	..	19,078	..	..
Miscellaneous	7,657	769,583	21,558	..	798,798	..	..
Total ..	7,906	794,925	21,639	..	824,470	232,806	1,187,739
Grand Total, Northern Circle ..	62,113	1,430,920	31,723	1,311	1,526,067	4,438,319	2,986,233
CENTRAL CIRCLE.							
Reserved forests—							
Sandalwood (*Santalum album*)..	1,558	..	..	..	1,558	..	..
Teak (*Tectona grandis*)	666	..	..	..	666	..	..
Red sanders (*Pterocarpus santalinus*)	738	..	..	..	738	..	..
Miscellaneous	100,874	190,191	13,423	..	304,488	..	..
Total ..	103,836	190,191	13,423	..	307,450	2,013,710	2,217,054

ABS

* Includes also reserved lands for which no separate figures have been furnished by the Collector.

† Inclusive of 580 cubic feet of scantlings received from Coimbatore.

‡ Besides these 3,786 poles were received from South Malabar for sale in this district and their volume is reported to be not known.

(in number) during the year 1904–1905, and Agency of Exploitation—*cont.*

Fuel.			Total.	Bamboos.				
Free-grantees.	Right-holders.	Total.	Outturn.	Government.	Purchasers.	Free-grantees.	Right-holders.	Total.
9	10	11	12	13	14	15	16	17
C. FT.	C. FT.	C. FT.	C. FT.	NO.	NO.	NO.	NO.	NO.
..	..	..	..	..	..	..	..	..
..	..	..	..	..	..	..	..	..
..	..	..	..	..	..	..	..	..
..	..	1,832,951	1,840,299	..	166,452	..	..	166,452
..	..	254,550	322,737	..	..	..	..	..
..	..	2,087,501	2,163,036	..	166,452	..	..	166,452
..	..	..	..	..	..	..	..	..
..	..	..	..	..	..	..	..	..
..	..	..	..	..	..	..	..	..
..	..	1,151,413	1,207,898	2,531	§ 2,068	..	..	4,599
..	..	277,186	277,511	38	60	..	..	98
..	..	1,428,599	1,485,409	2,569	2,128	..	..	4,697
TRACT.								
..	..	..	..	..	..	..	..	..
..	..	..	..	..	..	..	..	..
..	..	..	..	..	..	..	..	..
..	..	..	..	..	..	..	..	..
..	..	..	..	..	..	..	..	..
..	..	..	..	..	..	..	..	..
640	257,510	5,402,634	6,089,485	555,031	11,474,758	37,100	20,489	12,087,378
..	..	..	..	..	..	..	..	..
..	..	..	..	..	..	..	..	..
..	..	..	..	..	..	..	..	..
..	..	859,523	874,269	300	96,241	..	..	96,541
..	..	..	..	..	..	..	..	..
..	..	..	..	..	..	..	..	..
..	..	..	..	..	..	..	..	..
..	..	..	..	..	..	..	..	..
..	..	..	..	..	..	..	..	..
..	..	..	..	..	..	..	..	..
..	..	1,420,545	2,245,015	5,750	7,042,759	4,590	..	7,053,099
640	257,510	7,682,702	9,208,769	561,081	18,613,758	41,690	20,489	19,237,018
..	..	..	..	..	..	..	..	..
..	..	..	..	..	..	..	..	..
..	..	..	..	..	..	..	..	..
..	..	..	..	..	..	..	..	..
400	..	4,231,164	4,538,614	35,272	11,055,260	132,210	..	11,222,742

§ 100½ tons of Itakalli were also removed by purchasers.

Outturn (in cubic feet solid) of Timber and Fuel and of Bamboos

ABS

District.	Timber.						
	Government.	Purchasers.	Free-grantees.	Right-holders.	Total.	Government.	Purchasers.
1	2	3	4	5	6	7	8
CENTRAL CIRCLE—*cont.*	C. FT.	C. FT.	C. FT.	C. FT.	C. FT.	C. FT.	C. FT.
Reserved lands—							
Miscellaneous	..	2,068	..	..	2,068	..	1,051
Unreserved lands—							
Sandalwood	1,072	..	..	..	1,072	..	..
Miscellaneous	8,766	337,047	40,562	..	386,375	..	..
Total ..	9,838	337,047	40,562	..	387,447	204,585	2,629,601
Total Central Circle ..	113,674	529,306	53,985	..	696,965	2,218,295	4,847,706
SOUTHERN CIRCLE.							
Reserved forests—							
Sandalwood (*Santalum album*).	3,231	..	..	..	3,231	..	..
Teak (*Tectona grandis*) ..	112,901	11,725	..	..	124,626	..	..
Rosewood (*Dalbergia latifolia*..	7,555	1,984	..	..	9,539	..	..
Ironwood (*Xylia dolabriformis*).	15,953	3,900	..	..	19,853	..	..
Vengai (*Pterocarpus marsupium*)	37,786	2,849	..	..	40,635	..	..
Venteak (*Lagerstroemia microcarpa*)	4,699	73	..	..	4,772	..	..
Hopea (*Kiralbhogi*)	356	150	..	..	506	..	..
Maddi (*Terminalia tomentosa*)..	31,062	12,691	..	..	43,753	..	..
Miscellaneous	82,291	117,385	637	..	200,313	..	..
Total ..	295,834	150,757	637	..	447,228	3,121,089	2,193,254
Reserved Lands—							
Sandalwood	..	..	..	..	..	..	..
Teak	67,596	174	..	..	67,770	..	..
Rosewood	765	207	..	..	972	..	..
Ironwood	57,330	14,585	..	..	71,915	..	..
Vengai	574	..	..	..	574	..	..
Hopea	62	50	..	..	112	..	..
Maddi	6,413	1,726	..	..	8,139	..	..
Miscellaneous	47,651	14,691	..	200	62,542	..	..
Total ..	180,391	31,433	..	200	212,024	5,906	22,521
Unreserved lands—							
Teak	..	551	..	2,525	3,076	..	..
Rosewood	..	1,639	..	1,175	2,814	..	..
Ironwood	98	723	100	2,475	3,396	..	..
Vengai	..	83	..	125	208	..	..
Hopea	325	1,486	250	78,375	80,436	..	..
Maddi	47	1,262	575	400	2,284	..	..
Miscellaneous	2,729	86,927	3,193	34,125	126,974	..	..
Total ..	3,199	92,671	4,118	119,200	219,188	10,414	707,492
Total, Southern Circle ..	479,424	274,861	4,755	119,400	878,440	3,137,409	2,923,267
NORTHERN CIRCLE.							
Reserved forests, reserved lands and unreserved lands—							
Sál	1,177	101,006	..	..	102,183	..	..
Teak	7,246	6,329	..	..	13,575	..	..
Vengai	11,463	4,890	..	..	16,353	..	..
Rosewood	2	..	..	..	2	..	..
Ironwood	263	..	..	..	263	..	..
Maddi	2,551	19,031	81	..	21,666	..	..
Miscellaneous	39,408	1,299,664	31,642	1,311	1,372,025	..	..
Total ..	62,113	1,430,920	31,723	1,311	1,526,067	4,438,319	2,986,233
CENTRAL CIRCLE.							
Reserved forests, reserved lands and unreserved lands—							
Sandalwood	2,630	..	..	..	2,630	..	..
Teak	666	..	..	..	666	..	..
Redsanders	738	..	..	..	738	..	..
Miscellaneous	109,640	529,306	53,985	..	692,931	..	..
Total ..	113,674	529,306	53,985	..	696,965	2,218,295	4,847,706

(in number) during the year 1904-1905, and Agency of Exploitation—*cont.*

Fuel.			Total.	Bamboos.				
Free-grantees.	Right-holders.	Total.	Outturn.	Government.	Purchasers.	Free-grantees.	Right holders.	Total.
9	10	11	12	13	14	15	16	17
TRACT—*cont.*								
C. FT.	C. FT.	C. FT.	C. FT.	NO.	NO.	NO.	NO.	NO.
..	..	1,051	3,119	..	..	..	..	..
..	..	..	..	..	..	..	..	..
..	..	..	..	..	..	..	..	..
..	..	2,834,186	3,221,633	2,399	3,085,382	9,608	..	3,097,389
400	..	7,066,401	7,763,366	37,671	14,140,642	141,818	..	14,320,131
..	..	..	..	..	..	..	..	..
..	..	..	..	..	..	..	..	..
..	..	..	..	..	..	..	..	..
..	..	..	..	..	..	..	..	..
..	..	..	..	..	..	..	..	..
..	..	..	..	..	..	..	..	..
..	..	..	..	..	..	..	..	..
..	..	..	..	..	..	..	..	..
..	..	..	..	..	..	..	..	..
1,760	..	5,316,103	5,763,331	24,416	2,082,619	7,365	..	2,114,400
..	..	..	..	..	..	..	..	..
..	..	..	..	..	..	..	..	..
..	..	..	..	..	..	..	..	..
..	..	..	..	..	..	..	..	..
..	..	..	..	..	..	..	..	..
..	..	..	..	..	..	..	..	..
..	..	..	..	..	..	..	..	..
..	..	..	..	..	..	..	..	..
23	67	28,517	240,541	40,620	11,050	..	1,150	52,820
..	..	..	..	..	..	..	..	..
..	..	..	..	..	..	..	..	..
..	..	..	..	..	..	..	..	..
..	..	..	..	..	..	..	..	..
..	..	..	..	..	..	..	..	..
..	..	..	..	..	..	..	..	..
..	..	..	..	..	..	..	..	..
110	..	718,016	937,204	288	63,825	..	..	64,113
1,893	67	6,062,636	6,941,076	65,324	2,157,494	7,365	1,150	2,231,333
..	..	..	..	..	..	..	..	..
..	..	..	..	..	..	..	..	..
..	..	..	..	..	..	..	..	..
..	..	..	..	..	..	..	..	..
..	..	..	..	..	..	..	..	..
..	..	..	..	..	..	..	..	..
..	..	..	..	..	..	..	..	..
640	257,510	7,682,702	9,208,769	561,081	18,613,758	41,690	20,489	19,237,018
..	..	..	..	..	..	..	..	..
..	..	..	..	..	..	..	..	..
..	..	..	..	..	..	..	..	..
..	..	..	..	..	..	..	..	..
400	..	7,066,401	7,763,366	37,671	14,140,642	141,818	..	14,320,131

Outturn (in cubic feet solid) of Timber and Fuel and of Bamboos

District.	Timber.					Fuel.	
	Government.	Purchasers.	Free-grantees.	Right-holders.	Total.	Government.	Purchasers.
1	2	3	4	5	6	7	8
							ABS
SOUTHERN CIRCLE.	C. FT.	C. FT.	C. FT.	C. FT.	C. FT.	C. FT.	C. FT.
Reserved forests, reserved lands and unreserved lands—							
Sandalwood	3,231	..	..	..	3,231	..	..
Teak	180,497	12,450	..	2,525	195,472	..	..
Rosewood	8,320	3,830	..	1,175	13,325	..	..
Ironwood	73,381	19,208	100	2,475	95,164	..	..
Vengai..	38,360	2,932	..	125	41,417	..	..
Venteak	4,699	73	..	..	4,772	..	..
Hopea	743	1,686	250	78,375	81,054	..	..
Maddi (*Terminalia tomentosa*).	37,522	15,679	575	400	54,176	..	..
Miscellaneous	132,671	219,003	3,830	34,325	389,829	..	..
Total ..	479,424	274,861	4,755	119,400	878,440	3,137,409	2,923,267
							PRESIDENCY
Reserved forests—							
Santalum album (Sandal-wood)	4,789	..	..	..	4,789	..	..
Shorea robusta (Sâl)	1,000	101,006	..	..	102,006	..	..
Tectona grandis (Teak) ..	119,185	16,547	..	..	135,732	..	..
Pterocarpus santalinus (Red sanders)	738	..	..	..	738	..	..
Dalbergia latifolia (Rose-wood or blackwood) ..	7,555	1,984	..	..	9,539	..	..
Xylia dolabriformis (Iron-wood)	16,214	3,900	..	..	20,114	..	..
Pterocarpus marsupium (Vengai)	49,213	2,849	..	..	52,062	..	..
Lagerstroemia microcarpa (Venteak)	4,699	73	..	..	4,772	..	..
Kiralbhogi (Hopea)	356	150	..	..	506	..	..
Terminalia tomentosa (Maddi).	33,564	12,777	..	..	46,341	..	..
Miscellaneous	206,959	832,516	24,144	1,311	1,064,930	..	..
Total, reserved forests ..	444,272	971,802	24,144	1,311	1,441,529	8,525,787	6,163,804
Reserved lands—							
Sâl	177	..	..	..	177	..	..
Teak	69,067	174	..	..	69,241	..	..
Rosewood	765	207	..	..	972	..	..
Ironwood	57,330	14,585	..	..	71,915	..	..
Vengai	574	..	..	..	574	..	..
Hopea	62	50	..	..	112	..	..
Maddi	6,413	1,726	..	..	8,139	..	..
Miscellaneous	55,608	21,900	..	200	77,708	..	..
Total, reserved lands ..	189,996	38,642	..	200	228,838	820,431	68,570
Unreserved lands—							
Sandalwood	1,072	..	..	..	1,072	..	..
Teak	157	2,058	..	2,525	4,740	..	..
Rosewood	2	1,639	..	1,175	2,816	..	..
Ironwood	100	723	100	2,475	3,398	..	..
Vengai	36	4,973	..	125	5,134	..	..
Hopea	325	1,486	250	78,375	80,436	..	..
Maddi	99	20,207	656	400	21,362	..	..
Miscellaneous	19,152	1,193,557	65,313	34,125	1,312,147	..	..
Total, unreserved lands ..	20,943	1,224,643	66,319	119,200	1,431,105	447,805	4,524,832
Reserved forests, reserved lands and unreserved lands—							
Sandalwood	5,861	..	..	..	5,861	..	..
Sâl	1,177	101,006	..	..	102,183	..	..
Teak	188,409	18,779	..	2,525	209,713	..	..
Red sanders	738	..	..	..	738	..	..
Rosewood	8,322	3,830	..	1,175	13,327	..	..
Ironwood	73,644	19,208	100	2,475	95,427	..	..
Vengai	49,823	7,822	..	125	57,770	..	..
Venteak	4,699	73	..	..	4,772	..	..
Hopea	743	1,686	250	78,375	81,054	..	..
Maddi	40,076	34,710	656	400	75,842	..	..
Miscellaneous	281,719	2,047,973	89,457	35,636	2,454,785	..	..
Grand Total, Presidency ..	655,211	2,235,087	90,463	120,711	3,101,472	9,794,023	10,757,206
Grand Total, Presidency, 1903-04.	320,194	2,476,856	67,679	77,321	2,942,050	6,180,438	10,925,619

(in number) during the year 1904–1905, and Agency of Exploitation—*cont.*

Fuel.			Total.	Bamboos.				
Free-grantees.	Right-holders.	Total.	Outturn.	Government.	Purchasers.	Free-grantees.	Right-holders.	Total.
9	10	11	12	13	14	15	16	17
TRACT—*cont.*								
C. FT.	C. FT.	C. FT.	C. FT.	NO.	NO.	NO.	NO.	NO.
..	..	..	..	..	..	..	..	..
..	..	..	..	..	..	..	..	..
..	..	..	..	..	..	..	..	..
..	..	..	..	..	..	..	..	..
..	..	..	..	..	..	..	..	..
..	..	..	..	..	..	..	..	..
..	..	..	..	..	..	..	..	..
..	..	..	..	..	..	..	..	..
..	..	..	..	..	..	..	..	..
1,893	67	6,062,636	6,941,076	65,324	2,157,494	7,365	1,150	2,231,333
ABSTRACT.								
..	..	..	..	..	..	..	..	..
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..	..	..	..	..	..	..	..	..
..	..	..	..	..	..	..	..	..
..	..	..	..	..	..	..	..	..
2,800	257,510	14,949,901	16,391,430	614,719	24,612,637	176,675	20,489	25,424,520
..	..	..	..	..	..	..	..	..
..	..	..	..	..	..	..	..	..
..	..	..	..	..	..	..	..	..
..	..	..	..	..	..	..	..	..
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..	..	..	..	..	..	..	..	..
..	..	..	..	..	..	..	..	..
..	..	..	..	..	..	..	..	..
23	67	889,091	1,117,929	40,920	107,291	..	1,150	149,361
..	..	..	..	..	..	..	..	..
..	..	..	..	..	..	..	..	..
..	..	..	..	..	..	..	..	..
..	..	..	..	..	..	..	..	..
..	..	..	..	..	..	..	..	..
..	..	..	..	..	..	..	..	..
..	..	..	..	..	..	..	..	..
110	..	4,972,747	6,403,852	8,437	10,191,966	14,198	..	10,214,601
..	..	..	..	..	..	..	..	..
..	..	..	..	..	..	..	..	..
..	..	..	..	..	..	..	..	..
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..	..	..	..	..	..	..	..	..
..	..	..	..	..	..	..	..	..
..	..	..	..	..	..	..	..	..
2,933	257,577	20,811,739	23,913,211	664,076	34,911,894	190,873	21,639	35,788,482
8,801	258,131	17,372,989	20,315,039	513,189	36,189,698	233,360	29,912	36,966,159

Annual Form No. 56.

Forest Department, Madras Presidency.

Outturn of Minor Forest Produce during the year 1904–1905.

Circle.	Description of produce.	Produce removed or utilized. By Government Agency. Quantity in maunds of 25 lb.	By Government Agency. Value.	By purchasers. Value.	By free grants. Value.	By right-holders. Value.	Total. Value.
1	2	3	4	5	6	7	8
		MDS.	RS.	RS.	RS.	RS.	RS.
Northern Circle.	Grazing and fodder grass ..	21,486	1,666	2,22,860	369	1,309	2,26,204
	Grass (thatch, korai, etc)	105,056	1,255	1,344	44	..	2,643
	Tamarind, soapnuts, gallnuts, nux-vomica, sheakoy, etc.	7,067	3,093	77,417	..	38,950	1,19,460
	Horns, honey, wax, resin, gum, skins, etc.	119	289	2,633	..	..	2,922
	Tangedu, Vembadam, etc., barks and fibres.	..	..	55,822	..	..	55,822
	Plumbago, store, gravel, earth, etc.	5,400	..	11,306	61	..	11,367
	Manure leaves, thorns, etc. ‡ ..	..	..	1,854	..	..	1,854
	Date and palmyra leaves ..	..	..	953	14	..	967
	Miscellaneous (inclusive of tree-owner's fees).	13	..	1,07,404	73	..	1,07,477
	Total ..	139,141	6,303	4,81,593	561	40,259	5,28,716
Central Circle.	Grazing and fodder grass ..	17,488	* 788	2,83,874	861	356	2,85,879
	Grass (thatch, korai, etc.) ..	..	..	3,358	381	..	3,739
	Tamarind, soapnuts, gallnuts, nux-vomica, sheakoy, etc.	6,552	3,976	25,648	..	..	29,624
	Horns, honey, wax, resin, gum, skins, etc.	107	748	13	..	..	761
	Tangedu, Vembadam, etc., barks and fibres.	149	280	9,220	..	..	9,500
	Mica, stone, gravel, earth, &c.	..	..	60,722	..	..	60,722
	Manure leaves, thorns, etc. ‡ ..	..	..	8,383	..	..	8,383
	Date and palmyra leaves ..	..	..	1,727	137	..	1,864
	Miscellaneous (inclusive of tree-owner's fees).	3,039	539	1,34,022	157	94	1,34,812
	Total ..	27,335	6,331	5,26,967	1,536	450	5,35,284
Southern Circle.	Grazing and fodder grass ..	3,155	303	1,20,455	..	..	1,20,758
	Grass (thatch, korai, etc.) ..	..	..	4,492	37	..	4,529
	Catechu	1,466	11,431	..	..	..	11,431
	Tamarind, soapnut, gallnut, nux-vomica, sheakoy, etc.	25,395	13,495	6,060	..	..	19,555
	Pepper, cardamoms, turmeric, etc.	215	1,307	6,749	..	..	8,056
	Horns, honey, wax, resin, gum, skins, etc.	1,155	7,289	561	..	..	7,850
	Tangedu, Vembadam, etc., barks and fibres.	12	21	3,426	..	..	3,447
	Stone, gravel, earth, etc. ..	..	..	11,029	..	..	11,029
	Manure leaves, thorns, etc. ..	..	..	† 12,152	..	..	12,152
	Palmyra, etc., leaves	..	..	18	18	..	36
	Rubber	6	75	..	..	..	75
	Miscellaneous	1,240	661	47,440	..	808	48,909
	Total ..	32,644	34,582	2,12,382	55	808	2,47,827
Presidency total.	Grazing and fodder grass ..	42,129	2,757	6,27,189	1,230	1,665	6,32,841
	Grass (thatch, korai, etc.) ..	105,056	1,255	9,194	462	..	10,911
	Catechu	1,466	11,431	..	..	..	11,431
	Tamarind, soapnuts, gallnuts, nux-vomica, sheakoy, etc.	39,014	20,564	1,09,125	..	38,950	1,68,639
	Pepper, cardamoms, dammer, turmeric, etc.	215	1,307	6,749	..	..	8,056
	Horns, honey, wax, resins, gums, skins, etc.	1,381	8,326	3,207	..	..	11,533
	Tangedu, Vembadam, etc., barks and fibres.	161	301	68,468	..	..	68,769
	Plumbago, mica, stone, gravel, earth, etc.	5,400	..	83,057	61	..	83,118
	Rubber	6	75	..	..	..	75
	Manure leaves, thorns, etc. ..	..	..	22,389	..	..	22,389
	Date and palmyra leaves ..	..	..	2,698	169	..	2,867
	Miscellaneous (inclusive of tree-owner's fees).	4,292	1,200	2,88,866	230	902	2,91,198
	Grand Total ..	199,120	47,216	12,20,942	2,152	41,517	13,11,827

* Excludes the value of 3,165 maunds collected in North Salem. The Collector has not reported the value.

† This includes a sum of Rs. 10,198 shown in Form No. 56 for the Madura district against "grass, leaves and thorns." The value of the manure leaves and thorns removed in the district has however not been shown separately.

‡ The Collectors of Kistna, Guntúr, Kurnool-East, Kurnool-West, North Salem, Trichinopoly and Tanjore have not shown in their returns the value of this produce separately.

ANNUAL FORM No. 57.

Forest Department, Madras Presidency.

ACCOUNT of Timber and other produce cut or collected by Government Agency and brought to depots, sold locally or otherwise disposed of during 1904-1905.

Name of district.	Balance at commencement of the year in forest and sale depots.	Received during the year.	Total.	Disposed of during the year.	Balance in hand at close of the year in forest and sale depots.
1	2	3	4	5	6
TIMBER (CUBIC FEET).					
Northern Circle.					
Ganjám	13,453	15,398	28,851	19,039	9,812
Vizagapatam	1,505	2,486	3,991	2,871	1,120
Gódávari	* 5,042	7,886	12,928	7,973	4,955
Kistna	..	2,231	2,231	1,915	316
Guntúr	..	3,295	3,295	1,836	1,459
Kurnool, East	439	4,992	5,431	3,089	2,342
Do. West	6,006	15,837	21,843	10,540	11,303
Bellary	3,878	9,428	13,306	5,505	7,801
Anantapur	..	560	560	..	560
Total	30,323	62,113	92,436	52,768	39,668
Central Circle.					
Cuddapah	† 711	76,011	76,722	28,968	47,754
Nellore	1,092	2,535	3,627	3,627	..
Chingleput	..	..	.	..	..
North Arcot	44	3,572	3,616	3,468 ‡ 142 § 5	1
South do.	128	500	628	175	453
North Salem	6,233	25,573	31,806	22,548	9,258
South do.	1,010	4,783	5,793	3,587	2,206
Trichinopoly	..	..	..	..	..
Tanjore	..	700	700	700	..
Total	9,218	113,674	122,892	63,220	59,672
Southern Circle.					
South Canara	63,075	16,074	79,149	17,832 ‡ 1,113 § 824	59,380
Malabar (North)	153,128	127,224	280,352	128,794	151,558
Do (South)	29,111	204,976	234,087	56,418 § 22,616 ‡ 12,123 ‖ 1,436 ¶ 738	140,756
The Nilgiris	9,020	29,651	38,671	17,708	20,963
Coimbatore (North)	† 3,401	10,790	14,191	2,175	12,016
Do. (South)	105,935	82,790	188,725	63,523 ** 17,458	107,744
Madura	40	2,010	2,050	1,470	580
Tinnevelly	547	5,909	6,456	2,221	4,235
Total	364,257	479,424	843,681	346,449	497,232
Grand Total	403,798	655,211	1,059,009	462,437	596,572
FUEL (CUBIC FEET).					
Northern Circle.					
Ganjám	10,900	66,525	77,425	32,801	44,624
Vizagapatam	†† 15,210	273,724	288,934	281,101	7,833
Gódávari	‡‡ 54,725	490,115	544,840	353,811	191,029
Kistna	§§ 69,946	69,729	139,675	114,975	24,700
Guntúr	‖‖ 24,720	143,070	167,799	41,640	126,150
Kurnool, East	208,402	1,748,055	1,956,457	1,218,417	738,040
Do. West	42,246	657,512	699,758	90,890	608,868
Bellary	198,798	800,345	999,143	237,626	761,517
Anantapur	28,696	189,244	217,940	28,691	189,249
Total	653,643	4,438,319	5,091,962	2,399,952	2,692,010

* The variation in the opening balance is due to excess found on remeasurement. † Revised figure.
‡ Used departmentally. ¶ Handed over to telegraph department. ‖ Sent to Tuticorin for sale.
§ Written off or expunged from accounts. ** Wastage by sawing.

†† Excludes 140 kunchams and 348 lb. of charcoal which were approximately taken as 146 cubic feet, but the Collector reports that the volume of a kuncham is not known. The outturn of charcoal during the year was 9,640 kunchams and 979 lb; out of the total of 9,780 kunchams and 1,327 lb, 9,040 kunchams were disposed of during the year.

‡‡ Twenty three thousand nine hundred and twenty-four cubic feet were transferred to the new Kistna district. Hence the variation.

§§ Variation in opening balance due to transfers from and to other districts.

‖‖ Transferred from Kistna.

Account of Timber and other produce cut or collected by Government Agency and brought to depots, sold locally or otherwise disposed of during 1904–1905—*cont.*

Name of district.	Balance at commencement of the year in forest and sale depots.	Received during the year.	Total.	Disposed of during the year.	Balance in hand at close of the year in forest and sale depots.
1	2	3	4	5	6
FUEL (CUBIC FEET)—*cont.*					
Central Circle.					
Cuddapah	112,622	264,198	376,820	206,172	170,648
Nellore	94,219	652,674	746,893	645,506	101,387
Chinglepat	5,175	35,973	41,148	41,090	58
North Arcot	39,028	325,841	364,869	248,465 * 14,102 † 11	102,291
South do.	2,049	40,259	42,308	27,694 † 2,202	12,412
North Salem	4,351	51,570	55,921	47,914	8,007
South do.	64,933	474,015	538,948	399,891	139,057
Trichinopoly	45,441	371,836	417,277	370,551 * 10,107	36,619
Tanjore	..	1,929	1,929	1,845	84
Total	367,818	2,218,295	2,586,113	2,015,550	570,563
Southern Circle.					
South Canara	595	203,505	204,100	36,495 * 120	167,485
Malabar (North)	..	..	..	..	..
Do. (South)	7,330	284,677	292,007	163,940 ‡ 7,580 * 6,610	113,877
The Nilgiris	221,765	424,471	646,236	341,403	304,833
Coimbatore (North)	400	31,209	31,609	23,039	8,570
Do. (South)	124,381	713,684	838,065	672,189	165,876
Madura	4,715	1,470,738	1,475,453	1,465,965 * 4,715	4,773
Tinnevelly	3,050	9,125	12,175	11,689	486
Total	362,236	3,137,409	3,499,645	2,733,745	765,900
Grand Total	1,383,697	9,794,023	11,177,720	7,149,247	4,028,473
BAMBOOS (NUMBER).					
Northern Circle.					
Ganjám	3,680	470,380	474,060	472,540	1,520
Vizagapatam	..	14,300	14,300	4,206	10,094
Gódávari	150	9,750	9,900	9,750	150
Guntúr	..	400	400	400	..
Kurnool, West	100	65,951	66,051	5,703	60,348
Bellary	540	300	840	840	..
Total	4,470	561,081	565,551	493,439	72,112
Central Circle.					
North Arcot	..	3,280	3,280	† 3,280	..
South do.	..	149	149	149	..
North Salem	72,988	30,992	103,980	103,786	194
South do.	35	3,250	3,285	3,285	..
Total	73,023	37,671	110,694	110,500	194
Southern Circle.					
South Canara	900	15,244	16,144	950 † 4,158	11,036
Malabar (North)	14,400	2,700	17,100	* 17,100	..
Do. (South)	2,470	42,811	45,281	32,433 † 3,148 § 1,700	8,000
Coimbatore (South)	512	2,000	2,512	2,333	179
Tinnevelly	..	2,569	2,569	796	1,773
Total	18,282	65,324	83,606	62,618	20,988
Grand Total	95,775	664,076	759,851	666,557	93,294

* Written off. † Used departmentally. ‡ Sent to Coimbatore. § Sent to Tuticorin for sale.

Account of Timber and other produce cut or collected by Government Agency and brought to depots, sold locally or otherwise disposed of during 1904–1905—*cont.*

Name of district.	Balance at commencement of the year in forest and sale depots.	Received during the year.	Total.	Disposed of during the year.	Balance in hand at close of the year in forest and sale depots.
1	2	3	4	5	6
MINOR PRODUCE (MAUNDS OF 25 LB.).					
Northern Circle.					
Ganjám	..	5,400	5,400	* 5,070	† 330
Vizagapatam	741	9,184	9,925	7,817	2,108
Gódávari	..	95,334	95,334	95,334	..
Kistna	277	132	409	122	287
Guntúr	13,385	5,606	18,991	4,350	14,641
Kurnool, East	..	3,669	3,669	173	3,496
Do. West	..	2,403	2,403	686	1,717
Bellary	5,343	17,408	22,751	6,392	16,359
Anantapur	3,248	5	3,253	1,675	1,578
Total	22,994	139,141	162,135	121,619	40,516
Central Circle.					
Cuddapah	‡ 754	2,998	3,752	1,516	2,236
Nellore	‡ 2,119	5,987	8,106	2,074	6,032
Chingleput	‡ 294	2,716	3,010	3,010	..
North Arcot	..	6,000	6,000	4,979 § 96 ‖ 24	901
South do.	374	1,976	2,350	331 § 374	1,645
North Salem	..	3,165	3,165	920	2,245
South do.	2,415	3,791	6,2[illegible]6	2,701	3,505
Trichinopoly	..	690	690	458	232
Tanjore	3	12	15	3	12
Total	5,959	27,335	33,294	16,486	16,808
Southern Circle.					
South Canara	‡ 189	1,574	1,763	1,604 * 40 ¶ 13	106
Malabar (North)	516	286	802	658	144
Do. (South)	..	86	86	84	2
The Nilgiris	4,601	2,200	6,801	3,953	2,848
Coimbatore (North)	23,000	22,420	45,420	23,715	21,705
Do. (South)	446	5,997	6,443	3,690	2,753
Tinnevelly	..	81	81	81	..
Total	28,752	32,644	61,396	33,838	27,558
Grand Total	57,705	199,120	256,825	171,943	84,882

* Used departmentally. † Equivalent of 5½ cubic yards of rough stone. ‡ Revised figure.
§ Written off. ‖ Distributed to ryots free. ¶ Written off and used as specimen.

Annual Form No. 58.

Forest Department, Madras Presidency.

Statement showing the value of Timber and other Produce at sale depots for the year 1904–1905.

District.	Description of timber or produce.	On hand at commencement of the year.			On hand at close of the year.			Difference in value.	
		Number.	Cubic feet.	Value.	Number.	Cubic feet.	Value.	In favour of the year.	Against the year.
1	2	3	4	5	6	7	8	9	10
				RS.			RS.	RS.	RS.
	Northern Circle.								
Ganjám	Sál	..	9,187	2,297	..	8,324	2,081	..	216
	Miscellaneous	..	107	7		57	4	..	3
	Total, Timber	..	9,294	2,304	..	8,381	2,085	..	219
	Fuel	..	2,275	216	..	1,604	140	..	76
	Bamboos	3,680	..	23	1,520	..	9	..	14
Vizagapatam.	Miscellaneous timber	..	1,505	1,092	..	1,120	348	..	744
	Fuel	..	15,356	1,021	..	* 7,833	516	..	505
	Bamboos	..	..	..	10,094	..	22	22	..
	Minor produce	MDS. 741	..	73	MDS. 2,108	..	221	148	..
Gódávari	Teak	..	† 2,476	1,238	..	2,851	1,425	187	..
	Ebony	..	73	183	..	..	..	.	183
	Maddi	..	..	..	..	156	39	39	..
	Miscellaneous	..	2,493	1,413	..	1,948	863	..	550
	Total, Timber	..	5,042	2,834	..	4,955	2,327	..	507
	Fuel	..	‡ 54,725	2,487	..	191,029	8,683	6,196	..
	Bamboos	150	..	5	150	..	5	..	..
Kistna	Miscellaneous timber	..	..	..	..	316	115	115	
	Fuel	..	26,811	3,560	..	14,887	1,315	..	2,245
						§ 72	15	15	..
	Minor produce	MDS. 197	..	54	MDS. 287	..	151	97	..
Guntur	Miscellaneous timber	..	..	..	..	689	129	129	..
	Fuel	..	..	..	..	67,287	11,776	11,776	..
Kurnool East	Miscellaneous timber	..	439	221	..	2,342	1,171	950	..
	Fuel	..	208,402	12,258	..	738,040	42,733	30,475	..
	Minor produce	..	..	..	MDS. 3,496	..	2,033	2,033	..
Kurnool West.	Miscellaneous timber	..	6,006	3,003	..	11,303	5,652	2,649	..
	Fuel	..	42,246	2,485	..	608,868	35,816	33,331	..
	Minor produce	..	..	..	MDS. 1,717	..	507	507	..
Bellary	Teak	..	513	28	..	224	20	..	8
	Miscellaneous	..	3,365	350	..	306	25	..	325
	Total, Timber	..	3,878	378	..	530	45	..	333
	Fuel	..	198,798	16,566	..	330,569	19,873	3,307	..
	Bamboos	540	..	10	..	..	..	..	10
	Minor Forest produce	MDS. 5,343	..	300	MDS. 3,085	..	185	..	115
Anantapur	Miscellaneous timber	..		..	..	560	¶ ..	..	..
	Fuel	..	28,696	2,110	..	189,249	13,915	11,805	..
	Minor produce	MDS. 3,248	..	164	MDS. 1,578	..	82	..	82

* Excludes 740 kunchams and 1,327 lbs. of charcoal, the volume and value of which have not been reported by the Collector.

† Revised figure; excess found on remeasurement.

‡ Excludes 23,924 c. ft. transferred to Kistna.

§ Charcoal.

‖ Form No. 57 shows 14,641 maunds of minor produce but this return does not bring them to account.

¶ Not reported.

Statement showing the value of Timber and other Produce at sale depots, etc.—*cont.*

District.	Description of timber or produce.	On hand at commencement of the year.			On hand at close of the year.			Difference in value.	
		Number.	Cubic feet.	Value.	Number.	Cubic feet.	Value.	In favour of the year.	Against the year.
1	2	3	4	5	6	7	8	9	10
	Central Circle.			RS.			RS.	RS.	RS.
Cuddapah	Miscellaneous timber	..	* 711	212	..	47,754	11,315	11,103	..
	Fuel	..	* 112,623	3,500	..	170,648	51,26	1,626	..
	Minor produce	MDS. 335	..	40	MDS. 2,236	..	1,741	1,701	..
Nellore	Miscellaneous timber	..	1,092	289	..	..	..	..	289
	Fuel	..	94,219	4,382	..	101,387	5,543	1,161	..
	Minor produce	MDS. 2,119	..	1,252	MDS. 6,032	..	2,876	1,624	..
Chingleput.	Fuel	..	5,175	383	..	58	7	..	376
	Minor produce	MDS. * 294	..	44	..	..	..	..	44
North Arcot.	Sandalwood	..	2	11	..	..	..	..	11
	Miscellaneous timber	..	..	..	..	1	..	..	..
	Total, Timber	..	2	11	..	1	..	..	11
	Fuel	..	17,931	3,586	..	68,585	4,601	1,015	..
	Minor produce	..	..	..	MDS. 632	..	278	278	..
North Salem.	Miscellaneous timber	..	6,233	5,125	..	9,258	6,280	1,165	..
	Fuel	..	4,351	91	..	8,007	166	75	..
	Bamboos	72,988	..	1,281	194	..	24	..	1,257
	Minor produce	..	..	..	MDS. 2,245	..	210	210	..
South Salem.	Sandalwood	..	141	1,410	..	83	498	..	912
	Miscellaneous timber	..	869	650	..	2,123	707	57	..
	Total, Timber	..	1,010	2,060	..	2,206	1,205	..	855
	Fuel	..	64,933	6,461	..	139,057	11,208	4,747	..
	Bamboos	35	..	8	..	..	..	..	8
	Minor produce	MDS. 2,415	..	127	MDS. 3,505	..	185	58	..
Trichinopoly.	Fuel	..	45,441	5,573	..	36,619	4,722	..	851
	Minor produce	..	..	..	MDS. 232	..	159	159	..
Tanjore	Fuel	..	..	..	..	84	2	2	..
	Minor produce	MDS. 3	..	2	MDS. 12	..	7	5	..
	Southern Circle.								
South Canara.	Miscellaneous timber	..	4,254	3,315	..	11,330	6,636	3,321	..
	Bamboos	900	..	90	150	..	15	..	75
	Minor produce	MDS. * 169	..	810	MDS. 57	..	903	93	..
North Malabar.	Teak	..	114,358	64,336	..	89,737	50,477	..	13,859
	Vengai	..	31,410	17,668	..	{ 32,032	18,018	350	..
						67 }	2	2	..
	Rosewood	..	1,786	1,005	..	3,961	2,238	1,233	..
	Matti	..	4,140	517	..	{ 16,075	{ 5,024	{ 4,507	..
						409 }	290 }	290 }	
	Benteak	..	34	4	..	1,318	577	573	..
	Ironwood	..	..	..	..	1,502	1,068	1,068	..
	Miscellaneous	..	1,400	174	..	6,457	4,031	4,857	..
	Total, Timber	..	153,128	83,704	..	151,558	82,725	..	979
	Bamboos	14,400	..	720	..	..	..	..	720
	Minor produce	MDS. 513	..	690	MDS. 144	..	1,130	440	..

* Revised figure.

Statement showing the value of Timber and other Produce at sale depots, &c.—*cont.*

District.	Description of timber or produce.	On hand at commencement of the year.			On hand at close of the year.			Difference in value.	
		Number.	Cubic feet.	Value.	Number.	Cubic feet.	Value.	In favour of the year.	Against the year.
1	2	3	4	5	6	7	8	9	10
	Southern Circle— cont.			RS.			RS.	RS.	RS.
South Malabar.	Teak	..	3,535		..	59,167		..	..
	Rosewood ..	..	..		..	1,099		..	..
	Ironwood ..	..	14,391	3,895	..	44,657	90,000	..	..
	Matti	..	983		..	6,626		..	..
	Hopea	..	164		..	181		..	..
	Miscellaneous ..	..	10,038		..	29,026		..	..
	Total, Timber..	..	29,111	3,895	..	140,756	90,000	86,105	..
	Fuel	..	7,330	383	..	113,877	4,286	3,903	..
	Bamboos ..	2,470	..	100	8,000	..	320	220	..
	Minor produce ..	..	..	..	MDS. 2	..	31	31	..
The Nilgiris.	Teak	..	258	904	..	610	2,135	1,231	..
	Vengai	..	4	6	..	4	6	..	..
	Total, Timber..	..	262	910	..	614	2,141	1,231	..
	Fuel	..	14,577	1,101	..	25,998	2,601	1,500	..
	Minor produce ..	MDS. 38	..	38	MDS. 34	..	187	149	..
North Coimbatore.	Sandalwood ..	..	280	722	..	2,719	27,487	26,765	..
	Vengai	..	2,132	2,132	..	6,090	4,568	2,436	..
	Teak	..	43	43	..	2	2	..	41
	Rosewood ..	..	99	99	..	30	30	..	69
	Karimarudu ..	..	17	14	..	..	..	..	14
	Miscellaneous ..	..	795	1,104	..	2,865	2,149	1,045	..
	Total, Timber ..	..	3,366	4,114	..	11,706	34,236	30,122	..
	Fuel	..	400	44	..	8,570	946	902	..
	Minor produce ..	MDS. 23,000	..	16,751	MDS. 21,705	..	12,520	..	4,231
South Coimbatore.	Ironwood ..	..	455	286	..	658	357	..	..
	Karimarudu ..	..	3,707	2,392	..	2,954	2,298	..	..
	Teak	..	8,731	18,778	..	7,207	18,767	..	..
	Rosewood ..	..	447	923	..	853	1 359	..	..
	White cedar ..	..	251	369	..	1,041	748	..	..
	Vengai	..	..	..	..	2,035	1,845	..	..
	Miscellaneous ..	..	6,733	4,612	..	18,040	11,660	..	..
	Total, Timber ..	..	20,324	27,360	..	32,788	37,034	9,674	..
	Fuel	..	* 68,258	2,091	..	† 35,698	2,539	448	..
	Bamboos ..	..	..	..	179	..	6	6	..
	Minor produce ..	MDS. 308	..	636	MDS. 311	..	870	234	..
Madura ..	Miscellaneous timber ..	..	40	20	..	580	1,739	1,719	..
	Fuel	..	4,715	471	..	4,773	382	..	89
Tinnevelly ..	Miscellaneous timber ..	..	547	251	..	‡ 4,235	3,313	3,062	..
	Fuel	..	3,050	153	..	486	25	..	128
	Bamboos ..	..	..	..	1,773	..	887	887	..

Abstract.

Description	Number	Cubic feet	Value	Number	Cubic feet	Value	In favour of the year	Against the year
Northern Circle.			RS.			RS.		
Timber	..	26,164	9,832	..	30,196	11,872	2,040	..
Fuel	..	577,309	40,703	..	2,149,438	134,782	94,079	..
Bamboos ..	4,370	..	38	11,764	..	36	..	2
Minor produce ..	MDS. 9,529	..	591	MDS. 12,271	..	3,179	2,588	..

* Revised figure.

† Includes 318 57/80 tons converted into cubic feet at 40 c.ft. a ton.

‡ Exclusive of 3,336 teak poles valued at Rs. 3,262.

Statement showing the value of Timber and other Produce at sale depots, etc.—*cont.*

District.	Description of timber or produce.	On hand at commencement of the year.			On hand at close of the year.			Difference in value.	
		Number.	Cubic feet.	Value.	Number.	Cubic feet.	Value.	In favour of the. year.	Against the year.
1	2	3	4	5	6	7	8	9	10
	Abstract—*cont.*								
	Central Circle.			RS.			RS.	RS.	RS.
	Timber	..	9,048	7,697	..	59,219	18,800	11,103	..
	Fuel	..	344,673	23,976	..	524,445	31,375	7,399	..
	Bamboos ..	73,023	..	1,289	194	..	24	..	1,265
	Minor produce ..	MDS. 5,166	..	1,465	MDS. 14,894	..	5,456	3,991	..
	Southern Circle.								
	Timber	..	211,032	1,23,569	..	353,567	2,57,824	1,34,255	..
	Fuel	..	98,330	4,243	..	189,402	10,779	6,536	..
	Bamboos ..	17,770	..	910	10,102	..	1,228	318	..
	Minor produce ..	MDS. 24,028	..	18,925	MDS. 22,253	..	15,641	..	3,284
	Grand Total.								
				RS.			RS.	RS.	RS.
	Timbur	..	246,244	1,31,098	..	442,982	2,88,496	1,57,398	..
	Fuel	..	1,020,312	68,922	..	2,863,285	1,76,936	1,08,014	..
	Bamboos ..	95,163	..	2,237	22,060	..	1,288	..	949
	Minor produce ..	MDS. 38,723	..	20,981	MDS. 49,418	..	24,276	3,295	..

ANNUAL

SUMMARY of Revenue of the different districts

Budget heads.				Northern		
	Direction.	Ganjám.	Vizagapatam.	Gódávari.	Kistna.	Guntúr.
1	2	3	4	5	6	7
Receipts.	RS.	RS.	RS.	RS.	RS.	RS.
I. Timber and other produce removed from the forests by Government Agency—						
(a) Timber	..	1,033	843	87	997	38
(b) Firewood and charcoal	..	3,094	10,595	15,076	11,643	4,629
(c) Bamboos	..	3,698	114	..	..	..
(d) Sandalwood	..	..	..	..	..	..
(e) Grass and other minor produce	..	..	543	18	118	881
II. Timber and other produce removed from the forests by consumers or purchasers—						
(a) Timber	..	28,029	6,260	34,714	8,049	4,085
(b) Firewood and charcoal	..	8,732	3,886	11,672	21,700	6,129
(c) Bamboos	..	5,302	10,708	56,029	1,296	72
(d) Grazing and fodder grass	..	11,436	4,246	15,961	18,799	59,491
(e) Other produce	..	3,364	23,006	43,090	13,338	14,300
(f) Tree owners' fees	..	503	290	4,956	2,117	3,739
III. Confiscated drift and waifwood	..	277	142	1,828	55	82
IV. Revenue from forests not managed by Government	..	..	..	..	..	..
V. Miscellaneous—						
(a) Fines and forfeitures	..	50	..	663	133	33
(b) Other sources	26	751	2,236	8,208	1,894	1,127
Total, Receipts ..	26	66,269	62,869	1,92,302	80,139	94,606

Budget heads.	Central Circle—*cont.*					
	South Arcot.	North Salem.	South Salem.	Trichinopoly.	Tanjore.	Total.
1	18	19	20	21	22	23
Receipts.	RS.	RS.	RS.	RS.	RS.	RS.
I. Timber and other produce removed from the forests by Government Agency—						
(a) Timber	..	7,218	1,053	..	11	46,761
(b) Firewood and charcoal	465	5,274	29,405	55,983	165	1,66,522
(c) Bamboos	48	318	13	..	..	404
(d) Sandalwood	..	14,767	3,395	..	..	26,085
(e) Grass and other minor produce	8	39	116	144	5	4,596
II. Timber and other produce removed from the forests by consumers or purchasers—						
(a) Timber	7,441	3,428	4,227	3,022	832	46,672
(b) Firewood and charcoal	33,627	7,599	6,878	15,908	12,906	1,61,837
(c) Bamboos	3,730	9,843	21,802	1,765	184	72,327
(d) Grazing and fodder grass	43,997	35,474	27,587	18,267	768	2,83,871
(e) Other produce	33,573	14,110	24,959	14,906	6,485	2,15,789
(f) Tree owners' fees	1,896	1,611	320	..	83	24,022
III. Confiscated drift and waifwood	305	124	277	77	8	4,434
IV. Revenue from forests not managed by Government	..	..	..	..	..	..
V. Miscellaneous—						
(a) Fines and forfeitures	847	387	772	172	2	3,015
(b) Other sources	881	3,650	9,782	6,010	4,077	30,966
Total, Receipts ..	1,26,818	1,03,842	1,30,586	1,16,254	25,526	10,87,301

MADRAS,
1*st August* 1905.

	RS.
* On account of North Malabar.	15,798
On account of North Coimbatore	1,489
On account of South Coimbatore	1,834
Total ..	19,121

	RS.
† On account of Nellore ..	23,005
Do. of North Arcot ..	2,410
Do. of South Salem ..	18,421
Do. of Kistna ..	634
Do. of Vizagapatam ..	1,737
Do. of South Malabar.	1,795
Total ..	48,002

	RS.
‡ On account of North Arcot.	4
On account of North Coimbatore	1,571
Total ..	1,575

Form No. 59.

for the Forest year 1904-1905.

Circle.					Central Circle.				
Kurnool, West.	Kurnool, East.	Bellary.	Anantapur.	Total.	Direction.	Nellore.	Cuddapah.	Chingleput.	North Arcot.
8	9	10	11	12	13	14	15	16	17
RS.	RS.	RS.	RS.	RS.	RS.	RS.	RS.	RS.	RS.
8,585	3,374	422	2	15,381	* 19,121	493	17,081	..	1,784
8,166	71,164	7,804	14	1,32,185	† 48,002	2,831	6,141	3,914	14,342
75	..	24	..	3,911	..	..	..	25	..
..	..	..	..	..	‡ 1,575	..	..	..	6,348
192	116	1,023	82	2,973	§ 3,085	137	163	185	714
21,373	9,122	7,087	4,995	1,23,714	..	5,837	14,742	3,115	4,028
9,119	3,238	6,710	3,304	74,490	§ 38,671	7,833	10,182	9,741	18,492
16,139	5,373	2,424	285	97,628	..	14	8,774	76	26,139
23,050	29,578	41,748	18,400	2,22,709	..	45,731	67,996	8,612	35,439
13,820	4,979	27,916	35,297	1,79,110	§ 27,780	13,409	47,427	7,785	25,355
21,063	3,628	25,787	12,285	74,368	..	2,642	7,676	2,487	7,307
620	349	212	194	3,759	..	2,431	660	74	478
..	..	..	..	..	..	..	..	..	..
12	..	169	101	1,161	..	29	2	159	645
4,365	2,161	4,427	2,174	27,369	‖ 1,644	2,434	1,305	170	1,013
1,26,579	1,33,082	1,25,753	77,133	9,58,758	¶1,39,878	83,821	1,82,149	36,343	1,42,084

Southern Circle.									
Direction.	Nilgiris.	North Coimbatore.	South Coimbatore.	Madura.	Tinnevelly.	North Malabar.	South Malabar.	South Canara.	Total.
24	25	26	27	28	29	30	31	32	33
RS.	RS.	RS.	RS.	RS.	RS.	RS.	RS.	RS.	RS.
..	6,261	1,438	45,467	..	3,024	31,159	49,904	8,288	1,45,541
..	11,138	1,123	32,276	67,389	972	..	9,547	2,512	1,24,957
..	..	..	57	..	124	..	502	123	806
..	1,295	31	..	..	..	..	..	..	1,326
..	2,041	15,568	3,901	..	228	1,076	212	12,364	35,390
..	1,476	1,395	5,850	8,215	177	1,832	4,039	3,059	26,043
..	2,530	8,266	11,414	30,697	67,136	49	8	9,255	1,29,355
..	1,188	10,857	8,249	5,377	861	291	633	1,328	28,784
..	9,755	55,425	9,999	29,407	6,579	3,109	47	6,573	1,20,894
..	1,108	9,186	8,493	27,626	30,127	1,682	1,793	17,587	97,602
..	..	..	..	..	..	..	1	3,205	3,206
..	34	233	463	360	1,516	618	216	1,538	4,978
..	..	..	..	..	..	..	..	..	..
1	..	9	317	644	367	1	130	377	1,846
— 35	4,412	5,292	20,515	12,163	2,92[illegible]	10,311	2,176	5,851	63,607
— 34	41,238	1,08,823	1,47,001	1,81,878	1,14,033	50,128	69,208	72,060	7,84,335

E. S. Hensman,
Chief Superintendent.

§ On account of Nellore.

		RS.
‖ On account of Cuddapah	..	10
Do. of Nellore ..	..	1,500
Do. of North Arcot	..	10
Do. of Direction, Central Circle ..	..	124
Total	..	1,644

	RS.
¶ On account of Northern Circle	2,371
On account of Central Circle	1,15,020
On account of Southern Circle	22,487
Total ..	1,39,878

Forest Department, Madras Presidency, Northern Circle.

SUMMARY of Expenditure of the different Districts for the Forest year 1904-1905.

Budget heads.	Direction.	Ganjám.	Vizagapatam.	Gódávari.	Kistna.	Guntúr.	Kurnool, West.	Kurnool, East.	Bellary.	Anantapur.	Total.
	RS.	RS.	RS.	RS.	RS.	RS.	RS.	RS.	RS.	RS.	RS.
I.—REFUNDS AND DRAWBACKS.	..	209	8	745	1,663	1,766	169	150	477	1,018	6,205
A. Conservancy and Works.											
I. Timber and other produce removed from the forests by Government Agency—											
(*a*) Timber	..	937	230	..	536	15	5,792	2,289	1,343	52	11,194
(*b*) Firewood and charcoal ..	..	1,895	8,349	11,142	7,633	6,409	8,684	40,737	12,531	1,777	99,157
(*c*) Bamboos ..	..	2,072	172	..	..	..	795	14	18	..	3,071
(*d*) Sandalwood ..	..	..	..	..	..	..	..	..	..	..	..
(*e*) Grass and other minor produce.	..	..	94	9	143	979	678	2,129	1,333	..	5,365
II. Timber and other produce removed from the forests by consumers or purchasers	..	5,565	4,720	13,403	3,001	3,268	12,536	7,698	4,335	1,625	56,151
III. Confiscated, drift and waifwood	..	43	..	693	..	13	31	49	..	1	830
IV. Revenue from forests not managed by Government	..	..	..	..	..	..	..	..	..	..	..
V. Rent of leased forests and payments to shareholders in forests managed by Government	..	..	400	..	..	..	..	..	10,000	..	10,400
VI. Live-stock, stores, tools and plant—											
(*a*) Purchase of cattle	27	..	..	..	..	..	..	402	1,532	..	1,961
(*b*) Feed and keep of cattle	..	..	603	657	..	..	594	5,338	4,252	— 19	11,425
(*c*) Stores, tools and plant	143	112	37	3,153	1,427	253	2,015	3,304	1,526	301	12,271
VII. Communications and buildings—											
(*a*) Roads and bridges ..	..	321	136	4,215	192	306	14	1,021	376	1,021	7,602
(*b*) Buildings ..	60	4,203	1,186	5,413	250	1,672	5,508	1,623	908	5,150	25,973
(*c*) Other works ..	..	160	20	2,174	1,134	369	..	91	446	1,032	5,426
VIII. Demarcation, improvement and extension of forests—											
(*a*) Demarcation ..	..	922	372	3,062	830	1,943	3,321	1,163	225	1,862	13,700
(*b*) Cost of forest settlement; compensation for land and rights.	..	..	..	74	..	..	353	..	365	40	832
(*c*) Surveys—											
(1) Local ..	— 31	553	..	1,332	728	699	992	..	360	80	4,713
(2) India ..	52,255	..	..	..	..	..	..	..	..	..	52,255
(*d*) Working plans ..	..	80	..	223	..	..	141	..	..	..	444
(*e*) Sowing and planting	2,291	1,027	146	5,386	3,440	1,123	152	14	674	249	14,502
(*f*) Protection from fire	..	3,000	72	7,193	488	53	218	9,542	1,315	1,262	23,143
(*g*) Other works ..	..	1	..	148	2,067	7,374	177	9	4,523	3,593	17,892
IX. Miscellaneous—											
(*a*) Law charges ..	..	..	..	4	..	..	..	5	..	..	9
(*b*) Other charges ..	32	17	309	120	11	12	82	107	67	1	758
Total, A. Conservancy and Works	54,777	21,117	16,854	59,146	23,543	26,254	42,252	75,685	46,606	19,045	3,85,279

MADRAS,
1*st September* 1905.

E. S. HENSMAN,
Chief Superintendent.

Forest Department, Madras Presidency, Central Circle.

Summary of Expenditure of the different Districts for the Forest year 1904–1905—*cont.*

Budget heads.	Direction.	Nellore.	Cuddapah.	Chingleput.	North Arcot.	South Arcot.	North Salem.	South Salem.	Trichinopoly.	Tanjore.	Total.
	RS.	RS.	RS.	RS.	RS.	RS.	RS.	RS.	RS.	RS.	RS.
I. REFUNDS AND DRAWBACKS.	..	855	300	156	717	2,607	588	649	274	90	6,236
A. Conservancy and Works.											
I. Timber and other produce removed from the forests by Government Agency—											
(*a*) Timber ..	..	20	11,171	..	664	..	5,215	1,145	..	..	18,215
(*b*) Firewood and charcoal ..	..	15,247	4,961	1,386	11,545	711	4,778	39,319	38,289	19	1,16,255
(*c*) Bamboos ..	..	..	..	11	..	..	368	..	..	..	379
(*d*) Sandalwood ..	..	..	..	..	322	..	823	340	..	..	1,485
(*e*) Grass and other minor produce ..	— 41	1,596	903	43	669	68	224	195	15	..	3,672
II. Timber and other produce removed from the forests by consumers or purchasers ..	..	5,315	15,885	1,411	3,913	2,214	2,802	4,771	2,906	471	39,688
III. Confiscated, drift and waifwood	..	1	76	2	39	..	3	9	3	..	133
IV. Revenue from forests not managed by Government	..	..	..	..	..	..	..	..	..	..	..
V. Rent of leased forests and payments to shareholders in forests managed by Government	..	..	..	..	..	..	..	..	..	..	..
VI. Live-stock, stores, tools and plant—											
(*a*) Purchase of cattle ..	..	..	..	..	..	..	..	..	..	..	..
(*b*) Feed and keep of cattle ..	..	..	..	..	..	..	..	..	..	..	..
(*c*) Stores, tools and plant ..	180	6,638	758	502	83	— 71	400	1,365	582	2	10,439
VII. Communications and buildings—											
(*a*) Roads and bridges ..	..	..	51	226	1,762	179	1,258	534	..	..	4,010
(*b*) Buildings ..	12	3,423	1,565	635	5,127	669	2,764	896	137	29	15,257
(*c*) Other works ..	..	150	993	151	287	8	955	109	28	..	2,681
VIII. Demarcation, improvement and extension of forests—											
(*a*) Demarcation ..	..	603	235	852	99	855	545	366	1,904	21	5,480
(*b*) Cost of forest settlement; compensation for land and rights ..	..	1	89	..	..	..	2,132	3,360	..	..	5,582
(*c*) Surveys—											
(1) Local ..	268	373	360	359	357	231	1,160	785	360	..	4,253
(2) India ..	156	..	..	..	..	..	..	..	..	..	156
(*d*) Working plans.	..	170	4	..	690	..	..	245	..	..	1,109
(*e*) Sowing and planting ..	— 469	11,704	1,163	618	1,344	1,923	179	738	1,266	2,417	20,883
(*f*) Protection from fire	..	1,352	3,663	379	3,154	1,449	904	1,454	145	..	12,500
(*g*) Other works ..	..	1,872	4,001	4,260	8,929	10,038	3,475	5,017	3,572	438	41,602
IX. Miscellaneous—											
(*a*) Law charges ..	..	1	524	8	3	5	..	..	4	..	545
(*b*) Other charges ..	3	135	43	3	11	..	21	170	4	..	390
Total, A. Conservancy and Works	109	49,456	46,745	11,002	39,715	20,886	28,594	61,467	49,489	3,487	3,10,950

MADRAS,
1st *September* 1905.

E. S. HENSMAN,
Chief Superintendent.

Forest Department, Madras Presidency, Southern Circle.

Summary of Expenditure of the different Districts for the Forest year 1904–1905—*cont.*

Budget heads.	Direction.	The Nilgiris.	North Coimbatore.	South Coimbatore.	Madura.	Tinnevelly.	North Malabar.	South Malabar.	South Canara.	Total.
	RS.	RS.	RS.	RS.	RS.	RS.	RS.	RS.	RS.	RS.
I. REFUNDS AND DRAWBACKS.	..	43	480	599	314	632	117	92	305	2,582
A. Conservancy and Works.										
I. Timber and other produce removed from the forests by Government Agency—										
(*a*) Timber ..	..	5,470	1,486	25,062	..	1,475	15,307	11,851	2,952	63,603
(*b*) Firewood and charcoal ..	..	14,843	1,280	19,268	47,044	209	..	7,099	6,282	96,025
(*c*) Bamboos ..	..	..	..	404	..	7	165	1,435	708	2,719
(*d*) Sandalwood ..	..	194	3,877	..	..	..	..	..	..	4,071
(*e*) Grass and other minor produce.	..	912	13,219	3,370	..	145	655	148	3,335	21,784
II. Timber and other produce removed from the forests by consumers or purchasers ..	..	837	4,063	6,090	3,622	2,266	688	..	5,010	22,576
III. Confiscated, drift and waifwood	..	2	10	105	5	8	..	154	135	419
IV. Revenue from forests not managed by Government	..	..	..	..	..	..	..	..	..	..
V. Rent of leased forests and payments to shareholders in forests managed by Government	..	4,500	..	2,500	..	..	25	4,693	..	11,718
VI. Live-stock, stores, tools and plant—										
(*a*) Purchase of cattle ..	..	443	..	4,320	..	..	2,361	1,340	..	8,464
(*b*) Feed and keep of cattle ..	3	4,907	..	31,589	..	..	9,407	10,425	1,390	57,721
(*c*) Stores, tools and plant ..	1	645	675	2,857	487	495	292	715	526	6,693
VII. Communications and buildings—										
(*a*) Roads and bridges ..	..	2,659	12,176	2,582	4,584	4,756	2,185	901	195	30,038
(*b*) Buildings ..	..	1,519	2,611	5,112	4,890	4,413	4,687	4,515	1,770	29,517
(*c*) Other works ..	..	124	1,015	1,248	277	10	128	1,430	1,352	5,584
VIII. Demarcation, improvement and extension of forests—										
(*a*) Demarcation ..	..	1,674	887	212	3,725	482	4,207	26	2,534	13,747
(*b*) Cost of forest settlement; compensation for land and rights ..	..	..	..	..	1	446	2,975	183	361	3,966
(*c*) Surveys—										
(1) Local ..	9	360	287	1,289	386	360	60	115	841	3,707
(2) India ..	31,704	..	..	..	..	..	..	..	..	31,704
(*d*) Working plans.	205	126	..	..	..	19	..	215	..	565
(*e*) Sowing and planting ..	256	1,490	101	322	184	1,080	3,611	8,377	173	15,594
(*f*) Protection from fire	..	2,381	1,009	2,654	2,720	2,530	3,876	2,504	1,830	19,504
(*g*) Other works ..	..	1,407	5,883	1,406	8,846	4,164	1,677	1,022	66	24,471
IX. Miscellaneous—										
(*a*) Law charges ..	..	..	..	..	..	57	..	2	195	254
(*b*) Other charges ..	434	3,158	142	486	65	102	171	276	64	4,898
Total, A. Conservancy and Works	32,612	47,694	49,201	1,11,475	77,150	23,656	52,594	57,518	30,024	4,81,924

MADRAS,
1st *September* 1905.

E. S. HENSMAN,
Chief Superintendent.

Summary of Expenditure of the different Districts for the Forest year 1904–1905.

SUMMARY of Expenditure of the different Districts

Budget heads.	Northern Circle.											Central		
	Direction.	Ganjám.	Vizagapatam.	Gódávari.	Kistna.	Guntúr.	Kurnool West.	Kurnool East.	Bellary.	Anantapur.	Total.	Direction.	Nellore.	Cuddapah.
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
B.—" Establishments."	RS.	RS.	RS.	RS.	RS.	RS.	RS.	RS.	RS.	RS.	RS.	RS.	RS.	RS.
Brought forward, Total A " Conservancy and Works."	54,777	21,117	16,854	59,146	23,543	26,254	42,252	75,685	46,606	19,045	3,85,279	109	49,456	46,745
I. Salaries—														
(*a*) Conservators ..	15,485	..	..	..	..	..	..	..	..	..	15,485	23,130	..	..
(*b*) Superior officers..	11,650	8,039	6,436	10,568	4,172	5,578	9,694	5,250	9,815	7,800	79,002	7,300	9,776	8,102
(*c*) Subordinate forest and depot establishments ..	1,224	10,637	5,076	11,340	4,109	5,488	9,234	10,913	8,461	7,407	73,889	3,131	11,535	16,728
(*d*) Office establishments	10,505	3,262	2,573	4,995	2,167	3,050	4,233	3,618	3,283	3,349	41,035	10,300	5,450	4,825
(*e*) Deputation and special allowances	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Exchange compensation allowance	1,146	502	405	488	64	349	457	203	375	412	4,401	1,446	..	507
II. Travelling allowances—														
(*a*) Conservators ..	4,905	..	..	..	..	..	..	..	..	..	4,905	3,392	..	..
(*b*) Superior officers.	3,261	1,407	1,740	2,709	1,059	1,593	2,262	1,719	2,049	2,002	19,801	1,963	1,300	2,173
(*c*) Subordinate forest and depot establishments.	317	2,970	1,511	3,580	1,132	1,654	2,657	3,775	2,048	1,833	21,477	743	3,291	4,218
(*d*) Office establishments	2,528	465	403	1,156	476	562	686	741	623	696	8,336	1,371	768	751
III. Contingencies—														
(*a*) Stationery ..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
(*b*) Rents, rates and taxes	407	78	416	282	133	87	146	110	158	88	1,905	369	322	302
(*c*) Official postage.	776	539	313	1,772	702	826	1,144	829	1,058	1,137	9,096	564	627	1,038
(*d*) Service telegrams.	271	40	63	87	18	59	67	80	46	33	764	141	23	79
(*e*) Sundries ..	1,939	719	684	3,015	716	1,013	1,511	1,955	1,328	801	13,861	2,369	1,563	1,585
Total B.—" Establishments ".	54,414	28,658	19,620	39,992	14,748	20,259	32,091	29,193	29,244	25,558	2,93,777	56,219	34,655	40,308
Grand Total of Expenditure.	1,09,191	49,775	36,474	99,138	38,291	46,513	74,343	1,04,878	75,850	44,603	6,79,056	56,328	84,111	87,053

MADRAS,
1st September 1905.

for the Forest year 1904–1905.

Circle.								Southern Circle.									
Chingleput.	North Arcot.	South Arcot.	North Salem.	South Salem.	Trichinopoly.	Tanjore.	Total.	Direction.	The Nilgiris.	North Coimbatore.	South Coimbatore.	Madura.	Tinnevelly.	North Malabar.	South Malabar.	South Canara.	Total.
16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33
RS.	RS.	RS.	RS.	RS.	RS.	RS.	RS.	RS.	RS.	RS.	RS.	RS.	RS.	RS.	RS.	RS.	RS.
11,002	39,715	20,886	28,594	61,467	49,489	3,487	3,10,950	32,612	47,694	49,201	1,11,475	77,150	23,656	52,594	57,518	30,024	4,81,924
..	..	..	..	..	..	..	23,130	16,695	..	48	..	..	..	..	..	..	16,743
4,800	16,154	11,054	4,700	12,524	4,800	..	79,210	8,800	13,665	15,838	11,775	7,800	7,987	11,233	5,687	7,800	90,585
5,889	14,373	10,725	7,393	8,984	8,000	1,772	88,530	2,911	12,100	8,826	13,710	10,957	11,187	7,652	6,172	9,701	83,216
2,039	4,433	4,401	3,060	4,452	2,972	780	42,712	9,217	4,150	4,684	4,381	3,900	3,752	3,607	3,100	4,341	41,132
..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
..	698	675	..	645	..	..	3,971	1,280	676	708	579	488	355	634	350	488	5,558
..	..	..	..	..	..	..	3,392	3,278	..	43	— 8	..	..	..	..	..	3,313
679	1,943	923	929	1,337	899	196	12,342	2,903	2,745	3,709	2,460	1,608	1,834	924	905	1,345	18,433
1,279	3,725	2,558	1,847	3,268	2,520	697	24,146	1,271	2,522	2,620	3,640	4,127	2,647	1,966	1,636	2,632	23,061
301	526	582	462	424	348	143	5,676	1,534	172	536	847	907	876	673	347	576	6,468
..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
18	167	239	43	25	29	6	1,520	366	350	107	193	83	248	62	76	12	1,497
661	2,068	1,995	1,192	1,031	614	214	10,004	750	375	1,011	810	1,076	964	479	475	1,154	7,094
4	42	20	39	21	15	7	391	172	43	47	76	60	92	82	58	19	649
449	696	647	1,154	717	459	158	9,797	2,041	446	1,976	1,326	1,209	522	1,254	461	745	9,980
16,119	44,825	33,819	20,819	33,428	20,656	3,973	3,04,821	51,218	37,244	40,153	39,789	32,215	30,464	28,566	19,267	28,813	3,07,729
27,121	84,540	54,705	49,413	94,895	70,145	7,460	6,15,771	83,830	84,938	89,354	1,51,264	1,09,365	54,120	81,160	76,785	58,837	7,89,653

E. S. Hensman,
Chief Superintendent.

SUMMARY of Receipts and Expenditure during 1904-1905 for each circle and for the presidency compiled in the Board's office from the Accountant-General's statement.

Budget heads.	Northern Circle.	Central Circle.	Southern Circle.	Grand Total, Presidency. 1904-1905.	Grand Total, Presidency. 1903-1904.
1	2	3	4	5	6
RECEIPTS.	RS.	RS.	RS.	RS.	RS.
I. Timber and other produce removed from the forests by Government Agency—					
(a) Timber	15,381	27,640	* 1,64,810	2,07,831	1,55,694
(b) Firewood and charcoal	1,34,556	1,62,356	1,26,752	4,23,664	3,62,595
(c) Bamboos	3,911	404	806	5,121	3,930
(d) Sandalwood	..	24,514	2,897	27,411	67,018
(e) Grass and other minor produce	2,973	4,596	35,390	42,959	47,184
Total, I ..	1,56,821	2,19,510	3,30,655	7,06,986	6,36,421
II Timber and other produce removed from the forests by consumers or purchasers—					
(a) Timber	1,23,714	46,672	26,043	1,96,429	2,09,009
(b) Firewood and charcoal	74,490	1,61,837	1,29,355	3,65,682	3,78,233
(c) Bamboos	97,628	72,327	28,784	1,98,739	1,76,838
(d) Grazing and fodder grass	2,22,709	2,83,871	1,20,894	6,27,474	6,07,400
(e) Other produce	1,79,110	2,16,061	97,330	4.92,501	4,47,532
(f) Tree-owners' fees	74,368	24,022	3,206	1,01,596	89,786
Total, II ..	7,72,019	8,04,790	4,05,612	19,82,421	19,08,798
III. Confiscated drift and waifwood	3,759	4,434	4,978	13,171	15,351
V. Miscellaneous—					
(a) Fines and forfeitures	1,161	3,015	1,846	6,022	6,162
(b) Other sources	27,369	30,966	63,607	1,21,942	1,23,839
Total, V ..	28,530	33,981	65,453	1,27,964	1,30,001
Grand Total, Receipts ..	9,61,129	10,62,715	8,06,698	28,30,542	26,90,571
EXPENDITURE.					
I. Refunds and drawbacks	6,205	6,236	2,582	15,023	27,201
A.—Conservancy and Works.					
I. Timber and other produce removed from the forests by Government Agency—					
(a) Timber	11,194	18,215	63,603	93,012	58,840
(b) Firewood and charcoal	99,157	1,16,255	96,025	3,11,437	2,09,349
(c) Bamboos	3,071	379	2,719	6,169	3,575
(d) Sandalwood	..	1,485	4,071	5,556	13,162
(e) Grass and other minor produce	5,365	3,672	21,784	30,821	30,519
Total, A-I ..	1,18,787	1,40,006	1,88,202	4,46,995	3,15,445
II. Timber and other produce removed from the forests by consumers or purchasers	56,151	39,688	22,576	1,18,415	1,10,253
III. Confiscated drift and waifwood	830	133	419	1,382	1,125
V. Rent of leased forests and payments to shareholders in forests managed by Government	10,400	..	11,718	22,118	22,457
VI. Live-stock, stores, tools and plant—					
(a) Purchase of cattle	1,961	..	8,464	10,425	9,004
(b) Feed and keep of cattle	11,425	..	57,721	69,146	48,741
(c) Stores, tools and plant	12,271	10,439	6,693	29,403	19,474
Total, A-VI ..	25,657	10,439	72,878	1,08,974	77,219
VII. Communications and buildings—					
(a) Roads and bridges	7,602	4,010	30,038	41,650	42,265
(b) Buildings	25,973	15,257	29,517	70,747	45,770
(c) Other works	5,426	2,681	5,584	13,691	11,032
Total, A-VII ..	39,001	21,948	65,139	1,26,088	99,067
VIII. Demarcation, improvement and extension of forests—					
(a) Demarcation	13,700	5,480	13,747	32,927	24,036
(b) Cost of forest settlement, compensation for land and rights	832	5,582	3,966	10,380	3,738
(c) (1) Local surveys	4,713	4,253	3,707	12,673	14,221
(c) (2) Surveys of India	52,255	156	31,704	84,115	70,033
(d) Working plans	444	1,109	565	2,118	1,878
(e) Sowing and planting	14,502	20,883	15,594	50,979	40,572
(f) Protection from fire	23,143	12,500	19,504	55,147	44,330
(g) Other works	17,892	41,602	24,471	83,965	78,085
Total, A-VIII ..	1,27,481	91,565	1,13,258	3,32,304	2,76,893

* Includes a sum of Rs. 100 remitted into the Presidency treasury, Bangalore, and a sum of Rs. 48 adjusted by the Accountant-General as per his ACX-195, dated 12th January 1905, and not intimated to Conservator, Central Circle.

Summary of Receipts and Expenditure during 1904–1905 for each circle and for the presidency compiled in the Board's office from the Accountant-General's statement—*cont.*

Budget heads.	Northern Circle.	Central Circle.	Southern Circle.	Grand Total, Presidency. 1904–1905.	Grand Total, Presidency. 1903–1904.
1	2	3	4	5	6
EXPENDITURE—*cont.*					
A.—Conservancy and Works—cont.	RS.	RS.	RS.	RS.	RS.
IX. Miscellaneous—					
(*a*) Law charges	9	545	254	808	1,156
(*b*) Other charges	758	390	4,898	6,046	6,905
Total, A-IX ..	767	935	5,152	6,854	8,061
Total, A.—Conservancy and Works inclusive of refunds.	3,85,279	3,10,950	4,81,924	11,78,153	9,37,721
B.—Establishments.					
I. Salaries—					
(*a*) Conservators	15,485	23,130	16,743	55,358	52,064
(*b*) Superior officers	79,002	79,210	90,585	2,48,797	2,32,238
(*c*) Subordinate forest and depot establishments.	73,889	88,530	83,216	2,45,635	2,38,438
(*d*) Office establishments	41,035	42,712	41,132	1,24,879	1,17,950
(*e*) Deputation and special allowances	..	..	..	..	771
(*f*) Exchange compensation allowance	4,401	3,971	5,558	13,930	12,402
Total, B-I ..	2,13,812	2,37,553	2,37,234	6,88,599	6,53,863
II. Travelling allowances—					
(*a*) Conservators	4,905	3,392	3,313	11,610	9,383
(*b*) Superior officers	19,801	12,342	18,433	50,576	47,217
(*c*) Subordinate forest and depot establishments.	21,477	24,146	23,061	68,684	67,454
(*d*) Office establishments	8,336	5,676	6,468	20,480	19,611
Total, B-II ..	54,519	45,556	51,275	1,51,350	1,43,665
III. Contingencies—					
(*a*) Stationery	..	..	..	..	..
(*b*) Rents, rates and taxes	1,905	1,520	1,497	4,922	3,531
(*c*) Official postage	9,096	10,004	7,094	26,194	24,599
(*d*) Service telegrams	764	391	649	1,804	1,729
(*e*) Sundries	13,681	9,797	9,980	33,458	27,317
Total, B-III ..	25,446	21,712	19,220	66,378	57,176
Total, B.—Establishments ..	2,93,777	3,04,821	3,07,729	9,06,327	8,54,704
Grand Total, Expenditure ..	6,79,056	6,15,771	7,89,653	20,84,480	17,92,425
Surplus ..	2,82,073	4,46,944	17,045	7,46,062	8,98,146
Total ..	9,61,129	10,62,715	8,06,698	28,30,542	26,90,571

Annual Form No. 60.

Forest Department, Madras Presidency.

Outstandings and Liabilities on account of Contractors and Disbursers for the Forest year 1904–1905.

Circle	District.	Department Debtor.			Department Creditor.			Balance Due	
		At commencement of year.	Recoveries in cash and value of supplies and work done during the year.	At close of year.	At commencement of year.	Payments made during year.	At close of year.	To department (outstandings).	By department (liabilities).
			RS. A. P.	RS. A. P.	RS. A. P	RS. A. P.	RS. A. P.	RS. A. P.	
Northern Circle.	Conservator, Northern Circle	..	3,558 2 3	3,558 2 3	84 7 4	3,510 6 4	3,594 13 8	36 11 5	..
	Forest Settlement-officer, Kistna, etc., districts ..	..	353 0 8	353 0 8	45 1 11	340 9 3	385 11 2	32 10 6	..
	Working Plans Officer, Northern Circle ..	..	370 2 4	370 2 4	322 14 1	47 4 3	370 2 4	..	..
	Ganjám	..	39,618 10 3	39,618 10 3	689 13 2	39,948 11 6	40,638 8 8	1,019 14 5	..
	Vizagapatam .. .	..	25,866 15 7	25,866 15 7	309 13 5	26,127 13 10	26,437 11 3	570 11 8	..
	Gódávari	..	93,452 12 3	93,452 12 3	2,826 3 9	93,871 13 9	96,698 1 6	3,245 5 3	..
	Kistna	..	38,475 2 9	38,475 2 9	1,599 10 4	37,486 0 11	39,085 11 3	610 8 6	..
	Guntúr	..	36,450 13 2	36,450 13 2	..	38,458 10 8	38,458 10 8	2,007 13 6	..
	Kurnool West	..	66,924 1 6	66,924 1 6	5,056 2 3 (Kurnool West and East)	64,923 0 9	1,76,100 9 5 (Kurnool West and East)	3,055 1 6	..
	Kurnool East	..	1,01,544 6 8	1,01,544 6 8		1,06,121 6 5		4,576 15 9	..
	Bellary	..	62,646 9 8	62,646 9 8	954 4 5	63,642 0 11	64,596 5 4	1,949 11 8	..
	Anantapur	..	36,530 13 4	36,530 13 4	391 14 11	37,071 6 6	37,463 5 5	932 8 1	..
	Total ..	..	5,05,791 10 5	5,05,791 10 5	12,280 5 7	5,11,549 5 1	5,23,829 10 8	18,038 0 3	..
Central Circle.	Conservator, Central Circle	..	2,002 6 0	2,002 6 0	29 10 6	2,011 15 6	2,041 10 0	39 4 0	..
	Forest Settlement-officer, Coimbatore, etc., districts	..	15 5 0	15 5 0	15 5 0	..	15 5 0	..	..
	Working Plans Officer, Central Circle	..	331 0 11	331 0 11	30 2 1	300 14 10	331 0 11	..	..
	Nellore	..	60,876 12 6	60,876 12 6	1,374 2 8	60,039 13 7	61,414 0 3	537 3 9	..
	Cuddapah	..	73,556 8 9	73,556 8 9	1,293 15 5	74,311 3 4	75,605 2 9	2,048 10 0	..
	Chingleput	..	19,220 14 4	19,220 14 4	334 15 8	19,276 1 4	19,611 1 0	390 2 8	..
	North Arcot	..	81,534 2 3	81,534 2 3	2,301 3 0	81,390 7 2	83,691 10 2	2,157 7 11	..
	South Arcot	..	44,359 13 4	44,359 13 4	1,039 0 4	43,934 7 0	44,973 7 4	613 10 0	..
	North Salem	..	45,746 12 11	45,746 12 11	1,064 8 8	46,735 4 11	47,799 13 7	2,053 0 8	..
	South Salem	..	84,074 0 3	84,074 0 3	3,275 13 7	83,745 9 3	87,021 6 10	2,947 6 7	..
	Trichinopoly	..	37,123 15 11	37,123 15 11	2,048 6 4	36,443 7 3	38,491 13 7	1,367 13 8	..
	Tanjore	..	6,887 1 5	6,887 1 5	52 15 5	6,849 11 6	6,902 10 11	15 9 6	..
	Total ..	..	4,55,728 13 7	4,55,728 13 7	12,860 2 8	4,55,038 15 8	4,67,899 2 4	12,170 4 9	..
Southern Circle.	Conservator, Southern Circle	..	2,254 3 2	2,254 3 2	64 13 4	2,235 4 1	2,300 1 5	45 14 3	..
	Working Plans Officer, Southern Circle ..	..	201 12 0	201 12 0	..	352 14 1	352 14 1	151 2 1	..
	The Nilgiris	..	65,958 4 3	65,958 4 3	1,758 4 1	67,846 13 1	69,605 1 2	3,646 12 11	..
	North Coimbatore ..	..	94,576 3 2	94,576 3 2	4,183 10 1	93,863 5 6	98,046 15 7	3,470 12 5	..
	South Coimbatore ..	..	1,38,468 4 9	1,38,468 4 9	2,122 4 2	1,38,821 4 9	1,40,943 8 11	2,475 4 2	..
	Madura	..	69,928 6 3	69,928 6 3	2,325 14 9	70,129 9 1	72,455 7 10	2,527 1 7	..
	Tinnevelly	..	49,939 8 5	49,939 8 5	1,431 13 2	50,053 3 1	51,485 0 3	1,545 7 10	..
	North Malabar	..	66,824 13 3	66,824 13 3	1,304 4 1	67,744 11 5	69,048 15 6	2,224 2 3	..
	South Malabar	..	68,703 1 2	68,703 1 2	1,297 2 4	69,019 14 0	70,317 0 4	1,613 15 2	..
	South Canara	..	48,212 6 6	48,212 6 6	577 12 0	48,487 8 10	49,065 4 10	852 14 4	..
	Forest Training School, Coimbatore	..	173 0 0	173 0 0	..	250 0 0	250 0 0	77 0 0	..
	Total ..	..	6,05,239 14 11	6,05,239 14 11	15,065 14 0	6,08,804 7 11	6,23,870 5 11	18,630 7 0	..
	Grand total ..	..	15,66,760 6 11	15,66,760 6 11	40,206 6 3	15,74,392 12 8	16,15,599 2 11	48,838 12 0	..

Madras,
1st September 1905.

E. S. Hensman,
Chief Superintendent.

ANNUAL FORM No. 61.

Forest Department, Madras Presidency.

REVENUE received and Outstandings on account of Revenue during the Forest year 1904–1905.

District.	Particulars.	Outstandings at commencement of year.	Value of sales and other revenue during year.	Total.	Amount realized during year.	Outstandings at the end of year.
		RS. A. P.	RS. A. P.	RS. A. P.	RS. A. P.	RS. A. P.
Northern Circle.						
Direction	Timber and other forest produce.	..	26 0 0	26 0 0	26 0 0	..
Ganjám	Do. do.	80 5 4	66,350 10 8	66,431 0 0	66,269 0 0	162 0 0
Vizagapatam	Do. do.	450 0 0	63,216 12 0	63,666 12 0	62,869 0 0	797 12 0
Gódávari	Do. do.	3,112 0 3	1,92,853 15 1	1,95,965 15 4	1,92,302 0 0	3,663 15 4
Kistna	Do. do.	229 9 3	80,701 4 1	80,930 13 4	80,139 0 0	791 13 4
Guntúr	Do. do.	189 4 0	1,00,470 12 6	1,00,660 0 6	94,606 0 0	6,054 0 6
Kurnool, East	Do. do.	4,263 7 3	1,29,433 8 9	1,33,697 0 0	1,33,082 0 0 (a)+ 615 0 0	..
Kurnool, West	Do. do.	6,912 14 0	1,20,203 14 10	1,27,116 12 10	1,26,579 0 0	537 12 10
Bellary	Do. do.	10,256 5 6	1,20,675 0 0	1,30,931 5 6	1,25,753 0 0	5,178 5 6
Anantapur	Do. do.	9,605 3 0	80,870 8 0	90,475 11 0	77,133 0 0 (b)+ 280 3 0	13,062 8 0
	Total ..	35,099 0 7	9,54,802 5 11	9,89,901 6 6	* 9,58,758 0 0 + 895 3 0	30,248 3 6
Central Circle.						
Direction	Timber and other produce.	..	124 0 0	124 0 0	124 0 0	..
Cuddapah	Do. do.	11,952 2 1 (c)— 199 15 6	1,78,467 9 5	1,90,219 12 0	1,82,159 0 0	8,060 12 0
Nellore	Do. do.	14,861 0 8 (d)— 115 9 7	1,84,769 11 11	1,99,515 3 0	1,77,862 0 0	21,653 3 0
Chingleput	Do. do.	4,674 4 8 (e)— 80 0 0	33,790 10 10	38,384 15 6	36,343 0 0	2,041 15 6
North Arcot	Do do.	19,010 8 5 (f)— 504 0 0	1,38,683 10 9	1,57,190 3 2	1,44,508 0 0 (g)+ 58 0 0	12,624 3 2
South Arcot	Do. do.	7,204 4 4	1,29,131 0 0	1,36,335 4 4	1,26,818 0 0	9,517 4 4
Tanjore	Do. do.	2,216 5 9	24,832 2 9	27,098 8 6	25,526 0 0	1,572 8 6
Trichinopoly	Do. do.	6,119 5 8 (d)— 7 7 3	1,15,274 15 6	1,21,386 13 11	1,16,254 0 0	5,132 13 11
North Salem	Do. do.	5,800 15 0	1,05,655 3 8	1,11,456 2 8	1,03,842 0 0	7,614 2 8
South Salem	Do. do.	11,036 12 6	1,42,193 8 8	1,53,230 5 2	1,49,007 0 0 (h)+ 19 0 0	4,204 5 2
	Total ..	82,875 11 1 — 907 0 4	10,52,972 9 6 (n)+272 0 0	11,34,941 4 3 + 272 0 0	† 1,062,715 0 0 + 77 0 0	72,421 4 3
Southern Circle.						
Direction	Timber and other forest produce.	..	— 34 0 0	— 34 0 0	— 34 0 0	..
South Canara	Do. do.	17,322 1 6 (i) — 2 11 0	61,665 5 0	78,984 11 6	72,060 0 0	6,924 11 6
North Malabar	Do. do.	1,743 7 0	57,194 14 2	58,938 5 2	50,128 0 0	8,810 5 2
South do.	Do. do.	5,929 0 7 (j)— 12 11 0	69,709 13 5	75,626 3 0	69,208 0 0	6,418 3 0
The Nilgiris	Do. do.	1,633 15 4	43,521 3 4	45,155 2 8	41,238 0 0	3,917 2 8
North Coimbatore ..	Do. do.	2,993 13 0 (k)— 32 8 0	1,05,905 1 7	1,08,866 6 7	1,08,823 0 0	43 6 7
South do. ..	Do. do.	18,156 6 8 (l)— 645 0 8	1,44,538 13 1	1,62,050 3 1	1,47,001 0 0	15,049 3 1
Madura	Do. do.	2,963 7 5	1,83,037 2 9	1,86,000 10 2	1,81,878 0 0	4,122 10 2
Tinnevelly	Do. do.	13,589 12 6	1,18,542 13 0	1,32,132 9 6	1,14,033 0 0 (m)+ 105 0 0	17,994 9 6
	Total ..	64,332 0 0 — 692 14 8	7,84,081 2 4 (n)—124 0 0	8,47,720 3 8 — 124 0 0	‡ 7,84,211 0 0 + 105 0 0	63,280 3 8
	Grand Total ..	1,82,306 11 8 —1,599 15 0	27,91,856 1 9 (n) + 148 0 0	29,72,562 14 5 + 148 0 0	28,05,684 0 0 +1,077 3 0	1,65,949 11 5

* Exclusive of the amounts of Rs. 634 and Rs. 1,737 realized in the Central Circle on account of Kistna and Vizagapatam, respectively under I (b).

† Exclusive of the amounts of Rs. 2,371 and Rs. 22,487 realized in the Circle on account of the Northern and Southern Circles.

‡ Exclusive of the amount of Rs. 22,487 realized in the Central Circle.

(a) Written off under Govt. Order, No. 864, Rev., dated 9th August 1904.

(b) Do. do. No. 138 ,, ,, 15th February 1905. (c) Erroneous demand.

(d) Demand reduced as per actual quantity removed or supplied. (e) Cancellation of contract.

(f) Remission of revenue sanctioned in Board's Proceedings, Forest No. 672, dated 5th August 1904.

(g) Written off in Govt. Order, No. 161, dated 9th February 1904, communicated in Board's Proceedings, No. 28 (Land Revenue), dated 16th February 1904.

(h) Written off in Govt. Order, No. 864, dated 9th August 1904, communicated in Board's Proceedings, No. 172, dated 16th August 1904.

(i) Collected in the previous year but erroneously credited to land revenue to wrong heads of service.

(j) Remission of lease amount of Beypore cocoanut tope on account of fallen trees.

(k) This amount was ordered to be recovered from a Forester on account of deficit of weight of sandalwood. As the Forester's services were dispensed with the demand was withdrawn.

	RS. A. P.
(l) Deduction on account of excess demand	63 12 8
Withdrawal of contracts	581 4 0
Total ..	645 0 8

(m) Written off the accounts under Government Order, No. 489, Revenue, dated 13th May 1904. (n) *Vide* foot-note in Form No. 62.

Annual Form No. 62.

Forest Department, Madras Presidency.

Financial Results of the year 1904–1905.

Districts.	Timber and other produce removed from the forests by Government Agency.		Other revenue.		Formation, protection and improvement of forests.	Total.	
	Receipts.	Charges.	Receipts.	Charges.	Charges.	Receipts.	Charges.
Northern Circle.	RS.	RS.	RS.	RS.	RS.	RS.	RS.
Ganjám	7,825	7,374	58,447	24,008	23,552	66,272	54,934
Vizagapatam	12,095	10,144	50,777	18,211	21,210	62,872	49,565
Gódávari	*17,009	12,872	1,75,296	56,959	39,949	1,92,305	1,09,780
Kistna	12,758	8,865	67,384	16,209	17,248	80,142	42,322
Guntúr	5,548	7,948	89,061	19,594	22,899	94,609	50,441
Kurnool, East	74,654	47,497	58,431	34,665	25,976	1,33,085	1,08,138
Kurnool, West	17,018	17,824	1,09,564	39,529	23,938	1,26,582	81,291
Bellary	9,273	18,215	1,16,483	35,758	28,501	1,25,756	82,474
Anantapur	98	2,200	77,037	26,813	18,843	77,135	47,856
Total ..	1,56,278	1,32,939	8,02,480	2,71,746	2,22,116 † + 52,255	‡ 9,58,758	6,26,801 + 52,255
Central Circle.							
Cuddapah	23,385	21,333	1,58,774	47,520	29,164	1,82,159	98,017
Nellore	29,551	26,935	1,48,435	24,187	37,516	1,77,986	88,638 § 250
Chingleput	4,124	2,687	32,219	13,812	13,282	36,343	29,781
North Arcot	25,602	17,639	1,18,906	37,926	36,706	1,44,508	92,271
South do.	521	4,586	1,26,297	25,752	30,208	1,26,818	60,546
North Salem	27,616	18,415	76,226	16,771	19,271	1,03,842	54,457
South do.	52,403	49,433	96,604	24,526	27,335	1,49,007	1,01,294
Trichinopoly	56,127	40,550	60,127	18,307	16,646	1,16,254	75,503
Tanjore	181	468	25,345	4,087	4,223	25,526	8,778
Total ..	2,19,510	1,82,046	8,42,933 (a) + 272	2,12,888	2,14,351	10,62,443 + 272	6,09,535 ‖ + 6,236
Southern Circle.							
South Canara	23,287	19,605	48,768	11,763	42,717	72,055	74,085
North Malabar ..	32,235 + 15,946	35,378	17,888	1,375	69,059	50,123 + 15,946	1,05,812
South do. ..	60,165 + 1,795	38,904	9,039	551	42,777	69,204 + 1,795	82,232
The Nilgiris	20,735	35,463	20,499	5,552	49,935	41,234	90,950
North Coimbatore	18,160 + 3,060	40,180	90,659	8,091	51,359	1,08,819 + 3,060	99,630
South do.	81,701 + 1,834	97,663	65,296 (a) — 272	17,683	46,531	1,46,997 + 1,562	1,61,877
Madura	67,389	54,485	1,14,485	8,103	54,484	1,81,874	1,17,072
Tinnevelly	4,348	6,166	1,09,681	6,552	45,277	1,14,029	57,995
Total ..	3,08,020 + 22,635	3,27,844	4,76,315 (a) — 272	59,670	4,02,139	7,84,335 ¶ + 22,363	7,89,653
Grand Total ..	6,83,808 + 22,635	6,42,829	2,121,728	5,44,304	8,90,861	28,05,536 + 22,635	20 84,480

* Includes a sum of Rs. 1,828 realized under III. † Survey of India charges.

‡ This includes Rs. 26 realized under Direction under AVI (c) and excludes Rs. 2,371 realized in the Central Circle on account of Kistna and Vizagapatam under I (b).

§ Added as per Accountant-General's revised figures under AVII (b).

‖ Refunds and drawbacks.

¶ (1) Revenue realized in the Central Circle :—

	RS.	RS.
North Malabar I (a)	15,798	
North Coimbatore I (a)	1,489	
Do. do. (d)	1,571	
South Coimbatore I (a)	1,834	
South Malabar	1,795	
		22,487
(2) Remitted into the Residency Treasury, Bangalore	100	
Adjusted by the Accountant-General in his Ac.X./195 dated 12th January 1905, and not intimated to Conservator Central, Circle	48	
		148
		22,635
Deduct amount collected in Southern Circle on account of Central Circle		272
		22,363

(a) Seigniorage on stones collected in South Coimbatore on account of South Salem.

Annual Form No. 63.

Forest Department, Madras Presidency.

Statement of Elephants during the year 1904–1905.

Part I.

Elephants in possession of the Reporting Officers throughout the year.

District.	Names.	When purchased or otherwise obtained by Government.	Cost of monthly keep, including servants and food.	
1	2	3	4	
				RS. A. P.
Vizagapatam ..	Ethel	Transferred from the Southern Circle on 3rd December 1897.	Per head ...	50 0 0
Gódávari ..	Surat Pari ..	Purchased in November 1894 at Sonepur fair.	Do. ..	54 12 4
Kurnool	Byragi Piari ..			45 13 0
South Canara ..	1. Mohideen Khan	Transferred from North Malabar on 3rd September 1897.	Do. ..	43 10 4
	2. Padmini ..			41 4 2
	3. Chamundi	Transferred from North Malabar on 10th September 1900.		30 11 0
North Malabar ..	1. Peri	Captured in April 1889 ..	Do. ..	64 9 11
	2. Jhelam	Do. in June 1902		41 6 6
	3. Dost-i-Jehan	Born in February 1902		25 5 11
	4. Kalyani	Purchased in October 1889 ..		44 3 10
	5. Sivajee	Captured in February 1900 ..		47 12 3
	6. Phyllis	Purchased in January 1878 ..		57 7 11
South Malabar ..	1. Vixen	Transferred from Wynaad in 1882 ..	Do. ..	46 13 7
	2. Peyru			
	3. Maharajan	Do. in 1888 ..		
	4. Nurmahal	Transferred from Wynaad in November 1898.		
	5. Samson	Purchased from Mr. Morgan in 1885 ..		
	6. Theebaw	Captured in January 1886		
	7. Juno	Do. in February 1886		
	8. Jupiter	Do. in January 1887		
	9. Gordon	Do. in February 1889		
	10. Tippu	Do. in February 1893		
	11. Lydia	Transferred from Military Department in April 1903.		
	12. Cheman Pyree			
	13. Mayo	Captured in April 1904		
	14. Bhagavathi	Do. in June 1904		
The Nilgiris ..	1. Big Lakshmi ..	Transferred from the Anamalais on 30th January 1882	Do. ..	38 9 3
	2. Chinna Lakshmi			
	3. Nilambur Lakshmi ..	Purchased in September 1891		
	4. Jampyara	Transferred from Nilambur on 23rd June 1903.		
	5. Bessie (calf)	Born on 3rd July 1899		
	6. Jessie	Do. on 20th October 1903		
South Coimbatore.	1. Lala Meah	Transferred from North Malabar on 20th June 1902.	Do. ..	47 10 8
	2. Akbar Baksh	Transferred from the Nilgiris on 25th July 1899.		
	3. Karthiyayini ..	Transferred from South Malabar in August 1888.		
	4. Seeta	Transferred from North Malabar on 20th June 1902.		
	5. Parvati	Transferred from Public Works Department on 3rd April 1901.		
	6. Zehara	Transferred from the Nilgiris on 25th July 1899.		
	7. Kunjunni	Transferred from Public Works Department on 3rd April 1901.		
	8. Bakto	Transferred from North Malabar on 20th June 1902.		
	9. Nurjehan	Transferred from North Malabar on 26th June 1903.		
	10. Dodamari	Do. ..		
	11. Sutlej	Transferred from North Malabar on 20th December 1903.		
	12. Kitti	Captured on 30th September 1903 ..		

Statement of Elephants during the year 1904–1905—*cont.*

PART II.

Elephants received in the year.

District.	Names.	When purchased or otherwise obtained by Government.	Cost of keep, including servants and food.	RS.	A.	P.	Remarks.
1	2	3	4				5
North Malabar.	1. Port Arthur ..	Captured in February 1905.	..	218	7	6	....
	2. Kesavan ..		..	272	0	9	....
	3. Kuroki ..		..	252	6	0	....
	4. Hanuman ..		..	246	15	3	....
	5. Nethravathi ..		..	247	2	7	....
	6. Borneo	Born in January 1905 of Peri.	..	..			....
	7. Togo	Captured in June 1905 ..	..	7	15	1	....
South Malabar.	1. Ella	Captured in January 1905 ..	..	144	1	6	....
	2. Krishna ..	Transferred temporarily from the North Malabar Forest division.	..	161	3	4	....
	3. Nadir Shah ..		..	155	13	4	....
	4. Abdul Rahiman.		..	146	9	5	....
	5. Isabella ..		..	155	9	6	....
	6. Emily		..	136	11	5	....
	7. Meenatchi ..		..	165	1	4	....
	8. Jamna ..		..	129	14	5	....
The Nilgiris.	1. Ravi	Transferred from Anamalais on 15th March 1905.	..	231	3	7	....
	2. Beas		..	251	5	7	....
South Coimbatore.	1. Loo	Transferred from North Malabar on 8th Aug. 1904.	..	464	0	5	....
	2. Kunhiraman ..		..	484	9	7	....
	3. Eva		..	540	9	1	....
	4 Hercules ..		..	541	13	4	....
	5. Bob	Captured on 14th Aug. 1904.	..	427	1	6	....
	6. Phyllis ..	Do. on 12th do.	..	427	15	10	....
	7. Marudu ..	Do. on 14th do.	..	441	9	6	....
	8. Lakshmi II ..	Do. on 13th do.	..	376	8	5	....
	9. Meenatchi II.	Do. on 13th do.	..	368	2	5	....
	10. Teku	Do. on 12th do.	..	145	10	5	....
	11. Good luck ..	Do. on 10th do.	..	69	3	7	....
	12. Cow calf ..	Do. on 27th Sept. 1904.	..	31	4	1	....

PART III.

Elephants gone off the list during the year.

District.	Names.	When purchased or otherwise obtained by Government.	Cost of keep, including servants and food.	RS.	A.	P.	How disposed of.
1	2	3	4				5
North Malabar.	1. Timur	Captured in May 1904 ..	..	84	11	7	Sold on 2nd Nov. 1904.
	2. Chakravarthini.	Do. in March 1898 ..	..	359	12	6	Died on 20th Feb. 1905.
	3. Baker Ali ..	Do. in February 1903.	..	307	10	2	Do. on 12th do.
	4. Krishna ..	Do. in March 1896 ..	..	480	7	10	Transferred temporarily to South Malabar.
	5. Isabella ..	Do. in February 1898.	..	408	2	5	
	6. Abdul Rahiman.	Do. in April 1900 ..	..	382	5	9	
	7. Emily	Do. in June 1899 ..	..	369	6	10	
	8. Meenatchi ..	Transferred from the Nilgiris in July 1899.	..	383	0	9	
	9. Nadir Shah ..	Captured in March 1900 ..	..	399	8	0	
	10. Jamna	Do. in June 1903 ..	..	424	8	10	
South Malabar.	1. Eva	Purchased in 1885	..	51	0	7	Transferred to South Coimbatore in July 1904.
	2. Loo	Captured in April 1890 ..	..	41	8	5	
	3. Hercules ..	Do. in December 1890.	..	50	5	1	
	4. Kunhiraman ..	Do. in February 1900.	..	38	5	7	
	5. Empress	Transferred from the Military Department.	..	6	0	9	Died in July 1904.
The Nilgiris.	Begum	Transferred from Nilambur on 23rd June 1903.	..	282	15	2	Died on 29th December 1904.
South Coimbatore.	1. Ravi	Transferred from North Malabar on 20th Dec. 1903.	..	226	3	10	Transferred to the Nilgiris on 22nd January 1905.
	2. Beas		..	190	13	5	
	3. Shah Jehan ..	Transferred from North Malabar on 20th June 1902.	..	280	15	2	Died on 5th January 1905.
	4. Sirdar	Captured on 17th July 1903.	..	368	8	9	Died on 26th Jan. 1905.
	5. Rani	Do. on 18th Aug 1903.	..	483	3	0	Do. on 1st June 1905.
	6. Teku	Do. on 12th do. 1904.	..	145	10	5	Do. on 16th Jan. 1905.
	7. Good luck ..	Do. on 10th do. 1904.	..	69	3	7	Sold on 31st Oct. 1904.
	8. Cow calf ..	Do. on 27th Sept. 1904.	..	31	4	1	

FORM No. 64.

ABSTRACT showing the Value of Live-stock, Stores, Tools and Plant for 1904–1905.

ANNUAL FORM

Forest Department,

ABSTRACT showing the Value of Live-stock,

Districts.	Surveying, etc., instruments				Tools			
	On hand at the commencement of the year.		On hand at the close of the year.		On hand at the commencement of the year.		On hand at the close of the year.	
	Number.	Value.	Number.	Value.	Number.	Value.	Number.	Value.
1	2	3	4	5	6	7	8	9
Northern Circle.		RS.		RS.		RS.		RS.
Direction	45	580	49	493	11	3	12	7
Ganjám	73	735	85	880	480	504	350	577
Negapatam	38	800	38	797	249	87	259	89
Gódávari	133	619	126	594	1,130	2,048	1,144	2,060
Kistna	39	565	39	529	170	406	188	497
Guntúr	41	1,188	53	1,365	232	231	250	428
Kurnool East	39	113	87	1,021	800	1,527	1,120	2,052
do. West	127	665	127	576	596	631	619	637
Bellary	172	402	178	385	393	717	433	1,249
Anantapur	51	240	51	294	258	316	372	443
Total, Northern Circle ..	758	5,907	833	6,934	4,319	6,470	4,747	8,039
Central Circle.								
Direction	51	842	58	1,145	6	9	6	8
Cuddapah	115	803	118	878	444	649	407	653
Nellore	103	1,140	103	1,051	5,679	1,561	5,810	1,621
Chingleput	48	475	49	511	546	590	599	651
North Arcot	184	1,216	180	1,114	{ 1,970 Cwt. 33 }	2,418	{ 2,074 Cwt. 33 }	2,519
South do.	91	871	90	685	142	25	76	35
North Salem	77	617	96	814	659	567	657	744
South do.	109	1,254	113	1,212	884	903	952	1,207
Trichinopoly	48	197	49	486	235	204	303	268
Tanjore	23	92	24	89	49	26	39	18
Total, Central Circle ..	849	7,507	880	7,985	{ 10,614 Cwt. 33 }	6,952	{ 10,923 Cwt. 33 }	7,724
Southern Circle.								
Direction	55	805	60	922	15	54	15	54
South Canara	214	723	214	651	433	435	428	406
North Malabar	38	885	50	935	551	895	644	602
South do.	49	480	51	469	544	338	515	335
The Nilgiris	110	970	114	999	744	994	843	1,152
North Coimbatore	71	780	68	730	771	1,184	850	1,307
South do.	70	592	81	589	1,599	2,901	2,252	4,429 {
Madura	111	1,590	116	1,561	497	542	563	441
Tinnevelly	119	664	119	610	443	318	437	297
Forest Training Schools Coimbatore	..	..	46	329	..	..	16	16
Total, Southern Circle ..	837	7,489	919	7,795	5,597	7,661	6,563	9,039
Grand Total, Presidency ..	2,444	20,903	2,632	22,714	{ 20,530 Cwt. 33 }	21,083	{ 22,233 Cwt. 33 }	24,802

No. 64.

Madras Presidency.

Stores, Tools and Plant for 1904–1905.

Machinery				Furniture				Building materials, small stores, tents, boats, etc.			
On hand at the commencement of the year.		On hand at the close of the year.		On hand at the commencement of the year.		On hand at the close of the year.		On hand at the commencement of the year.		On hand at the close of the year.	
Number.	Value.	Number.	Value.	Number.	Value.	Number.	Value.	Number.	Value.	Number.	Value.
10	11	12	13	14	15	16	17	18	19	20	21
	RS.		RS.		RS.		RS.		RS.		RS.
..	..	..	..	119	678	121	624	16	770	16	650
..	..	..	..	260	1,876	384	2,092	..	..	..	..
..	..	..	..	185	1,140	190	1,146	124	1,170	124	1,100
..	..	..	..	624	2,883	582	2,747	35	6,208	31	5,885
..	..	..	..	126	405	137	436	3	1,090	3	1,243
..	..	..	..	93	255	180	1,014	6	1,310	7	1,657
..	..	..	..	30	129	123	848	50	1,581	71	3,001
..	..	10	857	139	603	171	907	9	1,554	9	1,621
1	350	1	300	113	527	151	843	17	1,575	17	1,847
..	..	..	..	320	1,333	338	1,438	6	555	8	718
1	350	11	1,157	2,009	9,829	2,377	12,095	266	15,813	286	17,722
..	..	..	..	139	480	140	460	8	472	8	425
1	29	1	28	232	934	231	1,011	27	1,629	20	1,706
..	21,686	..	26,145	190	1,288	227	1,510	10	1,046	10	993
..	..	..	..	205	947	225	910	8	467	8	803
32	404	32	388	969	2,631	900	2,434	19	1,835	19	1,771
5	158	5	131	200	1,076	201	887	18	2,239	14	1,806
..	..	..	..	134	681	164	988	98	1,061	102	1,100
5	249	5	211	347	1,192	349	1,127	17	921	22	1,464
..	..	..	..	182	726	181	685	12	1,278	13	1,379
..	..	..	..	59	287	60	272	..	..	..	..
43	22,526	43	26,903	2,657	10,242	2,678	10,284	217	10,948	216	11,447
..	..	..	..	222	1,424	227	1,428	6	597	6	567
..	..	..	..	201	1,292	209	1,227	14	1,468	14	1,321
..	..	..	..	170	550	172	622	4	550	4	438
1	3	2	19	189	983	176	938	11	613	4	107
1	120	1	120	186	1,004	206	1,154	7	750	7	750
..	..	..	..	324	1,002	374	1,308	97	870	102	910
659 7,950 ft.	13,637	659 7,950 ft.	12,350	442	1,980	459	1,972	13	1,068	17	1,192
5	5	6	198	372	1,988	466	1,945	480	1,448	490	1,267
..	..	..	..	625	2,177	644	2,278	..	..	..	..
..	..	..	..	..	..	17	123	..	..	12	1,919
666 7,950 ft.	13,765	668 7,950 ft.	12,687	2,731	12,400	2,950	12,995	632	7,364	656	8,471
710 7,950 ft.	36,641	722 7,950 ft.	40,747	7,397	32,471	8,005	35,374	1,115	34,125	1,158	37,640

Abstract showing the Value of Live-stock,

Districts.	Buildings				Live-stock			
	On hand at the commencement of the year.		On hand at the close of the year.		On hand at the commencement of the year.		On hand at the close of the year.	
	Number.	Value.	Number.	Value.	Number.	Value.	Number.	Value.
	22	23	24	25	26	27	28	29
Northern Circle.		RS.		RS.		RS.		RS.
Direction	..	..	..	..	2	15	2	37
Ganjám	53	18,636	56	16,832	..	..	..	..
Vizagapatam	59	7,565	61	7,743	1	Not known.	1	Not known.
Gódávari	107	33,636	94	27,928	1	900	1	900
Kistna	22	2,363	22	2,221	..	..	..	..
Guntúr	42	9,643	42	9,305	..	..	..	..
Kurnool East	16	9,527	40	10,611	50	2,303	72	3,659
Do. West	40	25,235	40	25,235	1	1,600	1	1,600
Bellary	27	4,525	27	4,399	47	1,831	91	3,075
Anantapur	12	13,385	16	15,826	..	..	..	..
Total, Northern Circle ..	378	1,24,515	398	1,20,100	102	6,649	168	9,271
Central Circle.								
Direction	..	..	..	..	..	..	..	..
Cuddapah	123	19,311	125	19,603	2	56	2	56
Nellore	11	8,343	13	9,258	..	..	..	..
Chingleput	26	6,073	28	7,526	..	..	..	..
North Arcot	92	22,120	89	24,260	..	..	..	..
South do.	20	16,880	20	15,033	..	..	..	..
North Salem	20	8,500	22	9,000	..	..	..	..
South do.	21	10,278	22	10,226	..	..	..	..
Trichinopoly	8	3,159	8	2,830	..	..	..	..
Tanjore	4	356	4	358	..	..	..	..
Total, Central Circle ..	325	95,020	331	98,094	2	56	2	56
Southern Circle.								
Direction	..	..	..	..	..	..	..	..
South Canara	22	12,042	28	14,374	3	5,000	3	5,000
North Malabar	..	..	..	..	17	30,500	19	22,670
South do.	30	40,513	37	34,084	20	29,508	39	24,460
The Nilgiris	75	9,243	75	9,761	7	6,700	24	7,943
North Coimbatore	73	33,818	72	34,121	..	..	..	..
South do.	92	39,841	93	36,816	90	26,924	131	36,962
Madura	46	31,370	60	33,283	..	..	..	..
Tinnevelly	66	28,061	70	32,383	..	..	..	..
Forest Training School, Coimbatore	..	..	..	..	..	..	..	..
Total, Southern Circle ..	404	1,94,888	435	1,94,822	137	98,632	216	97,035
Grand Total, Presidency ..	1,107	4,14,423	1,164	4,13,016	241	1,05,337	386	1,06,362

Stores, Tools and Plant for 1904-1905—*cont.*

Miscellaneous				Total					
On hand at the commencement of the year.		On hand at the close of the year.		On hand at the commencement of the year.		On hand at the close of the year.		Difference in value	
Number.	Value.	Number.	Value.	Number.	Value.	Number.	Value.	In favour of the year.	Against the year.
30	31	32	33	34	35	36	37	38	39
	RS.		RS.		RS.		RS.	RS.	RS.
5	93	5	80	198	2,139	205	1,891	..	248
..	..	..	..	866	21,751	875	20,381	..	1,370
303	648	303	645	959	11,410	976	11,520	110	..
605	588	516	513	2,635	46,882	2,494	40,627	..	6,255
4	1,692	5	1,691	364	6,521	394	6,617	96	..
..	..	..	..	414	12,627	532	13,769	1,142	..
114	199	188	122	1,099	15,379	1,701	21,314	5,935	..
230	567	241	626	1,142	30,855	1,218	32,059	1,204	..
62	152	71	138	832	10,079	969	12,236	2,157	..
..	..	..	..	647	15,829	785	18,719	2,890	..
1,323	3,939	1,329	3,815	9,156	1,73,472	10,149	1,79,133	5,661	..
94	399	94	379	298	2,202	306	2,417	215	..
296	379	291	358	1,240	23,790	1,195	24,293	503	..
393	5,926	422	5,489	6,386	40,990	6,585	46,067	5,077	..
..	..	..	..	833	8,552	909	10,401	1,849	..
..	..	..	..	3,266 cwt. 33	30,624	3,294 cwt. 33	32,486	1,862	..
1,262	832	1,270	727	1,738	22,081	1,676	19,304	..	2,777
402	275	632	325	1,390	11,701	1,673	12,971	1,270	..
..	..	..	..	1,383	14,797	1,463	15,447	650	..
2,188	841	2,188	844	2,673	6,405	2,742	6,492	87	..
92	349	94	334	227	1,110	221	1,071	..	39
4,727	9,001	4,991	8,456	19,434 33 cwts.	1,62,252	20,064 33 cwts.	1,70,949	8,697	..
531	533	506	488	829	3,413	814	3,459	46	..
558	968	567	1,497	1,445	21,928	1,463	24,476	2,548	..
..	..	..	..	780	33,380	889	25,267	..	8,113
409	1,235	382	1,233	1,253	73,673	1,206	61,645	..	12,028
94	66	119	93	1,224	19,847	1,389	21,972	2,125	..
178	352	180	353	1,514	38,006	1,646	38,729	723	..
189	930	276	926	3.154 ft. 7,950	87,873	3,968 ft. 7,950	95,236	7,363	..
787	386	793	415	2,298	37,329	2,494	39,110	1,781	..
..	..	..	..	1,253	31,220	1,270	35,568	4,348	..
..	..	7	324	..	..	98	2,711	2,711	..
2,746	4,470	2,830	5,329	13,750 ft. 7,950	3,46,669	15,237 ft. 7,950	3,48,173	1,504	..
8,796	17,410	9,150	17,600	42,340 ft. 7,950 cwts. 33	6,82,393	45,450 ft. 7,950 cwts. 33	6,98,255	15,862	..

Form No. 65.

Statement showing the results of transport of wood by tramway.

Forest Department, Madras, Northern Circle.

I.—*Gódávari District.*

Capital Account.

—	1904-1905.	—	1904-1905.
Dr.	RS. A. P.	*Cr.*	RS. A. P.
To balance from the previous year	..	By depreciation at 6 per cent.	298 0 0
,, cost of plant	4,800 0 0	,, balance of stock	4,668 0 0
,, Improvements	127 0 0		
,, conveyance of plant ..	39 0 0		
Total ..	4,966 0 0	Total ..	4,966 0 0

Revenue Account.

—	1904-1905.	—	1904-1905.
Dr.	RS. A. P.	*Cr.*	RS. A. P.
To road making	116 0 0	By balance written off ..	678 0 0
,, working expenses ..	65 0 0		
,, interest at 4 per cent. ..	199 0 0		
,, depreciation at 6 per cent.	298 0 0		
Total ..	678 0 0	Total ..	678 0 0

—	1904-1905.				
	Number of tons of wood carried.	Number of miles carried.	Total ton-miles.	Actual charge for carrying.	Rate per ton-mile.
				RS.	RS. A. P.
Work done ..	$446\frac{2}{17}$	$\frac{3}{4}$	$334\frac{10}{17}$	678	2 0 5

—	1904-1905.		
	Number of ton-miles.	Amount.	Rate per ton-mile.
			RS. A. P.
Actual charge of carrying	$334\frac{10}{17}$	678	2 0 5
Estimated charges by coolies		350	1 0 9

Statement showing the results of transport of wood by tramway—*cont.*

Forest Department, Madras, Central Circle.

II.—Nellore District.

(i) Sriharikóta Plantation.

Capital Account.

—	1903-1904.	1904-1905.	—	1903-1904.	1904-1905.
Dr.	RS.	RS.	*Cr.*	RS.	RS.
To balance from the previous year ..	15,716	16,079	By depreciation at 6 per cent. ..	1,026	1,092
Add new stock	1,389	2,122	,, balance of stock	16,079	17,109
Total ..	17,105	18,201	Total ..	17,105	18,201

Revenue Account.

—	1903-1904.	1904-1905.	—	1903-1904.	1904-1905.
Dr.	RS.	RS.	*Cr.*	RS.	RS.
To working expenses	1,436	2,100	By balance written off	4,170	4,442
,, road-making and repairs	528	457			
,, interest at 4 per cent.	684	728			
,, depreciation at 6 per cent. ..	1,026	1,092			
,, repairs to wagons	496	65			
Total ..	4,170	4,442	Total ..	4,170	4,442

—	1903-1904.					1904-1905.				
	Number of tons of wood carried.	Number of miles carried.	Total ton-miles.	Actual charge for carrying.	Rate per ton-mile.	Number of tons of wood carried.	Number of miles carried.	Total ton-miles.	Actual charge for carrying.	Rate per ton-mile.
				RS.	RS. A. P.				RS.	RS. A. P.
Work done	7,344	4	29,376	4,170	0 2 3	7,831	4	31,324	4,442	0 2 3

—	1903-1904.			1904-1905.		
	Number of ton-miles.	Amount.	Rate per ton-mile.	Number of ton-miles.	Amount.	Rate per ton-mile.
		RS.	RS. A. P.		RS.	RS. A. P.
Actual charge for carrying	29,376	4,170	0 2 3	31,324	4,442	0 2 3
Estimated charges by coolies.. ..		38,556	1 5 0		41,113	1 5 0

ABSTRACT.

Year.	Profit.	Loss.
	RS.	RS.
1889-90	..	1,444
1890-91	8,487	..
1891-92	3,742	..
1892-93	13,807	..
1893-94	13,063	..
1894-95	15,153	..
1895-96	9,100	..
1896-97	23,921	..
1897-98	25,450	..
1898-99	30,398	..
1899-1900	23,176	..
1900-1901	8,713	..
1901-1902	27,918	..
1902-1903	24,917	..
1903-1904	34,386	..
1904-1905	36,671	..
Total ..	2,98,902	
Deduct loss ..	1,444	
Net profit ..	2,97,458	

Statement showing the results of transport of wood by tramway—*cont.*

Forest Department, Madras, Central Circle—cont.

II.—Nellore District—cont.

(ii) Casuarina Plantation Range.

Capital Account.

—	1903–1904.	1904–1905.	—	1903–1904.	1904–1905.
Dr.	RS.	RS.	*Cr.*	RS.	RS.
To balance from the previous year.	14,197	14,651	By depreciation at 6 per cent.	935	1,061
Add new stock	1,389	3,033	,, balance of stock	14,651	16,623
Total ..	15,586	17,684	Total ..	15,586	17,684

Revenue Account.

—	1903–1904.	1904–1905.	—	1903–1904.	1904–1905.
Dr.	RS.	RS.	*Cr.*	RS.	RS.
To working expenses	2,231	1,400	By balance written off ..	4,688	3,315
,, road-making and repairs ..	403	114			
,, interest at 4 per cent. ..	623	707			
,, depreciation at 6 per cent. ..	935	1,061			
,, repairs to wagons	496	33			
Total ..	4,688	3,315	Total ..	4,688	3,315

—	1903–1904.					1904–1905.				
	Number of tons of wood carried.	Number of miles carried.	Total ton-miles.	Actual charge for carrying.	Rate per ton-mile.	Number of tons of wood carried.	Number of miles carried.	Total ton-miles.	Actual charge for carrying.	Rate per ton-mile.
				RS.	RS. A. P.				RS.	RS. A. P.
Work done	$2,511\frac{27}{40}$	1	$2,511\frac{27}{40}$	4,688	0 4 2	1,955	$\frac{30}{40}$	$1,466\frac{10}{40}$	3,315	0 2 11
	$4,836\frac{28}{40}$	2	$9,673\frac{16}{40}$			2,854	$2\frac{10}{40}$	$6,421\frac{20}{40}$		
	$3,010\frac{10}{40}$	1	$3,010\frac{10}{40}$			3,577	2	7,154		
	$1,327\frac{5}{40}$	2	$2,654\frac{10}{40}$			1,866	$1\frac{30}{40}$	$3,265\frac{20}{40}$		
	$11,685\frac{30}{40}$	6	$17,849\frac{23}{40}$			10,252	$6\frac{30}{40}$	$18,307\frac{10}{40}$		

—	1903–1904.			1904–1905.		
	Number of ton-miles.	Amount.	Rate per ton-mile.	Number of ton-miles.	Amount.	Rate per ton-mile.
		RS.	RS. A. P.		RS.	RS. A. P.
Actual charge of carrying	$17,849\frac{23}{40}$	4,688	0 4 2	$18,307\frac{10}{40}$	3,315	0 2 11
Estimated charges by coolies.. ..		23,428	1 5 0		24,028	1 5 0

ABSTRACT.

Year.	Profit.	Loss.	Year.	Profit.	Loss.
	RS.	RS.		RS.	RS.
1885–86	1,735	..	1898–99	3,224	..
1886–87	5,030	..	1899–1900	13,275	..
1887–88	..	536	1900–1901	22,553	..
1888–89	6,272	..	1901–1902	14,525	..
1889–90	545	..	1902–1903	24,372	..
1890–91	7,323	..	1903–1904	18,740	..
1891–92	4,646	..	1904–1905	20,713	..
1892–93	5,290	..			
1893–94	5,351	..	Total ..	1,74,662	
1894–95	5,261	..	Deduct loss ..	536	
1895–96	4,826	..			
1896–97	3,981	..	Net profit ..	1,74,126	
1897–98	7,000	..			

Statement showing the results of transport of wood by tramway—*cont.*

Forest Department, Madras, Southern Circle.

III.—South Coimbatore District.

Capital Account.

—	1903–1904.	1904–1905.	—	1903–1904.	1904–1905.
Dr.	RS.	RS.	*Cr.*	RS.	RS.
To balance from the previous year ..	33,203	32,415	By depreciation at 6 per cent. ..	2,069	1,952
,, repairs of tram-trucks	1,282	115	,, balance of stock	32,416	30,578
Total ..	34,485	32,530	Total ..	34,485	32,530

Revenue Account.

—	1903–1904.	1904–1905.	—	1903–1904.	1904–1905.
Dr.	RS.	RS.	*Cr.*	RS.	RS.
To working expenses	2,175	910	By balance written off	8,912	8,049
,, depreciation at 6 per cent. ..	2,069	1,952			
,, interest at 4 per cent.	1,379	1,301			
,, repairs to tram-line	397	180			
,, cost of feed and keep of bulls employed in tramming ..	2,892	3,706			
Total ..	8,912	8,049	Total ..	8,912	8,049

—	1903–1904.					1904–1905.				
	Number of tons of wood carried.	Number of miles carried.	Total ton-miles.	Actual charge for carrying.	Rate per ton-mile.	Number of tons of wood carried.	Number of miles carried.	Total ton-miles.	Actual charge for carrying.	Rate per ton-mile.
				RS.	RS. A. P.				RS.	RS. A. P.
Work done.	$258\frac{12}{40}$ tons (10,332 c. ft.).	4	1,033	8,912	1 4 8	$180\frac{22}{40}$ tons (7,222 c. ft.).	$5\frac{3}{4}$	1,038	8,049	1 4 10
	$676\frac{25}{40}$ tons (27,065 c. ft.).	$5\frac{1}{2}$	3,721			$471\frac{5}{40}$ tons (18,845 c. ft.).	$5\frac{1}{4}$	2,473		
	114 tons (4,560 c. ft.).	$3\frac{3}{4}$	428			$7\frac{27}{40}$ tons (307 c. ft.).	$4\frac{3}{4}$	36		
	$119\frac{38}{40}$ tons (4798 c. ft.).	$5\frac{1}{4}$	630			$311\frac{3}{40}$ tons (12,443 c. ft.).	$3\frac{3}{4}$	1,167		
	$97\frac{19}{40}$ tons (3,899 c. ft.).	4	390			$57\frac{5}{40}$ tons (2,285 c. ft.).	$3\frac{3}{4}$	214		
	$235\frac{4}{40}$ tons (9,404 c. ft.).	3	705			$410\frac{26}{40}$ tons (16,426 c. ft.).	3	1,232		
						$22\frac{36}{40}$ tons. (916 c. ft.).	1	23		
Total ..	$1,501\frac{18}{40}$		6,907			$1,461\frac{4}{40}$		6,183		

—	1903–1904.			1904–1905.		
	Number of ton-miles.	Amount.	Rate per ton-mile.	Number of ton-miles.	Amount.	Rate per ton-mile.
		RS.	RS. A. P.		RS.	RS. A. P.
Actual charge of carrying	6,907	8,912	1 4 8	6,183	8,049	1 4 10
Estimated cost of carting	6,907	7,195	1 0 8	6,183	6,441	1 0 8
Actual cost of maintaining cart-road before the construction of tramway (now saved)	..	1,200	..	..	1,220	..
Cost of extension of road beyond Sangam (now saved)..	..	310	..	..	310	..
Total estimated cost of carting ..	..	8,705	..	..	7,971	..
Loss ..	..	207	..	..	78	..
Add loss up to 1903–1904 ..	..	..	..	..	31,971	..
Total loss ..	..	..	..	..	32,049	..

Annual Form No. 72-A (Old Code).

Forest Department, Madras Presidency.

Money value of sales of timber, fuel and bamboos cut, collected and removed by Consumers or Purchasers during 1904–1905.

District.	Timber.	Firewood and charcoal.	Bamboos.	Money value of sales. Timber. Amount of sales.	Timber. Amount actually realized during the year.	Firewood and charcoal. Amount of sales.	Firewood and charcoal. Amount actually realized during the year.	Bamboos. Amount of sales.	Bamboos. Amount actually realized during the year.
1	2	3	4	5	6	7	8	9	10
Northern Circle.	C. FEET.	C. FEET.	NO.	RS.	RS.	RS.	RS.	RS.	RS.
Ganjám	447,320	589,862	1,322,380	28,189	(a) 28,029	8,732	8,732	5,302	5,302
Vizagapatam	78,545	173,352	1,213,190	6,260	6,250	3,886	3,886	10,708	10,708
Gódávari	329,685	309,070	10,701,986	34,662	34,714	11,081	11,672	56,029	56,029
Kistna	131,333	866,668	275,200	8,049	8,049	22,465	21,700	1,296	1,296
Guntúr	49,262	172,257	500	4,264	(b) 4,085	8,991	(c) 6,129	72	72
Kurnool, East	69,141	78,740	1,289,350	9,122	9,122	3,238	3,238	5,373	5,373
Do. West	187,057	311,201	3,683,600	21,373	21,373	9,037	(d) 9,119	16,139	16,139
Bellary	* 106,064	* 367,203	113,200	7,104	7,087	6,710	6,710	2,424	2,424
Anantapur	32,513	127,880	14,352	5,085	(e) 4,955	3,321	(f) 3,304	285	285
Total	1,430,920	2,986,233	18,613,758	1,24,108	1,23,714	77,461	74,490	97,628	97,628
Central Circle.									
Cuddapah	153,190	477,368	1,442,640	13,229	14,742	9,723	10,182	8,774	8,774
Nellore	48,030	501,396	5,675	5,700	(g) 5,837	55,540	(h) 46,504	14	14
Chingleput	32,714	113,511	812	3,068	3,115	7,033	9,741	76	76
North Arcot	64,793	973,687	3,788,360	4,050	(i) 4,028	15,214	(j) 18,492	23,677	26,139
South do.	61,578	472,805	1,487,407	7,441	7,441	31,872	(k) 33,627	3,730	3,730
North Salem	52,887	372,589	2,821,000	3,610	(l) 3,428	6,541	7,599	11,881	9,843
South do.	63,344	245,341	4,426,825	4,150	(m) 4,227	6,894	(n) 6,878	19,885	21,802
Trichinopoly	37,619	995,872	165,567	3,022	3,022	15,634	15,908	1,765	1,765
Tanjore	15,151	695,137	2,356	832	832	11,332	12,906	184	184
Total	529,306	4,847,706	14,140,642	45,102	46,672	1,59,783	1,61,837	69,986	72,327
Southern Circle.									
South Canara	* 19,565	279,464	* 85,032	3,108	3,059	10,574	9,255	1,328	1,328
North Malabar	9,488	3,120	18,050	† 1,832	1,832	49	49	311	(o) 291
South do.	71,657	160	30,216	3,863	4,039	8	8	633	633
The Nilgiris	11,319	40,477	54,936	1,476	1,476	2,530	2,530	1,188	1,188
North Coimbatore	16,008	77,600	171,720	1,392	1,395	8,262	8,266	10,733	10,857
South do.	22,993	486,209	1,628,960	5,679	5,850	11,422	11,414	8,203	8,249
Madura	73,525	616,763	166,452	8,222	(p) 8,215	32,058	(q) 30,697	5,377	5,377
Tinnevelly	50,306	1,419,474	2,128	496	177	67,091	67,136	‡ 820	861
Total	274,861	2,923,267	2,157,494	26,068	26,043	1,31,994	1,29,355	28,593	28,784
Grand, Total Presidency.	2,235,087	10,757,206	34,911,894	1,95,278	1,96,429	3,69,238	3,65,682	1,96,207	1,98,739
Grand, Total 1903–1904	2,476,856	10,925,619	36,189,698	2,13,242	2,09,009	4,07,526	3,78,233	1,79,623	1,76,838

N.B.—Columns 6, 8 and 10 include arrear collections of revenue outstanding at the end of the previous year and are the audited figures of the Accountant-General as per Form No. 59.

* Includes confiscated produce.

† Includes Rs. 878 being the value of trees on darkhast lands; the cubical contents of the trees are reported to be not known.

‡ Includes the value of 100½ tons of Itakalli.

(*a*) The Collector's figure is Rs. 28,075 and the Collector reports that the variation is apparently due to the Accountant-General not having taken into account the amount of Rs. 46 adjusted in the district accounts in accordance with his memorandum No. A.C.X.—156 dated 1st December 1904.

(*b*) The Collector's figure is Rs. 4,189; the variation is explained to be due to the non-inclusion by the Accountant-General of Rs. 30 being the revenue of the Ongole taluk from July to September 1904 and to the non-adjustment within the year in the Accountant-General's books of the amount of Rs. 74 referrad to in his memorandum No. A.C.X.—59, dated 31st July 1905.

(*c*) The Collector's figure is Rs. 6,631; the variation is explained to be due apparently to the non-inclusion in the Accountant-General's figures of the revenue of Ongole taluk transferred to the district.

(*d*) The Collector's figure is Rs. 9,037; the variation has not been explained.

(*e*) and (*f*) The Collector's figures are Rs. 5,085 and Rs. 3,321 respectively.

(*g*) and (*h*) The Collector's figures are Rs. 5,700 and Rs, 33,891 respectively. The variation under II (*a*) is reported to be due to a sum of Rs. 19 apportioned by the Accountant-General to the Guntúr district and to alterations carried out in the district returns but not in those of the Accountant-General, the books of the latter having been closed. The variation under II (*b*) is due to similar adjustments, to a sum of Rs. 750 having been credited to incorrect head in the Accountant-General's accounts, to a sum of Rs. 5,474 said to have been adjusted by the Conservator of Forests, Central Circle in his accounts for March 1905, to a sum of Rs. 9,853 paid in the Madras Bank in 1903–1904, but not brought to account by the Accountant-General in that year and to an amount of Rs. 970 realized in 1904–1905 not being included in the Accountant-General's accounts.

(*i*) and (*j*) The Collector's figures are Rs. 4,050 and Rs, 18,471 respectively.

(*k*) The Collector's figure is Rs. 33,756; the Collector is unable to make out how the Accountant-General's figures were arrived at.

(*l*) The Collector's figure is Rs. 3,610 and the variation is explained by the Collector to be due to the alterations ordered by the Accountant-General in his memorandum No. A.C.X.—58, dated 9th August 1904, No. A.C.X.—292, dated 19th April 1905, and No. A.C.X.—348, dated 29th May 1905, not having been carried out in the Accountant-General's accounts.

(*m*) The Collector's figure is Rs. 4,150; this is reported by him to be correct in accordance with the Accountant-General's alteration memorandum No. A.C.X.—331, dated 17th May 1905. The alteration ordered by the Accountant-General in the district accounts was not presumably effected in the Accountant-General's accounts.

(*n*) The Collector's figure is Rs. 6,893 and is reported to be correct, Rs. 15 having been added in the district accounts as per Accountant-General's order against item 1 in the objection statement for June 1905.

(*o*) The Collector's figure is Rs. 311 and is reported to be correct; the difference of Rs. 20 is due to the wrong inclusion of the amount under II (*d*) in the figures furnished by the Accountant-General in his Form No. 59.

(*p*) and (*q*) The Collector's figures are Rs. 8,222 and Rs. 30,713 respectively; the Collector explains the variations to be due presumably to the alterations sanctioned by the Accountant-General not having been effected in his accounts.

Annual Form No. 72-B (Old Code).

Forest Department, Madras Presidency.

Timber and other produce confiscated and sold during the year 1904–1905.

District.	Timber. Quantity in cubic feet.	Timber. Amount of sales.	Firewood. Quantity in cubic feet.	Firewood. Amount of sales.	Bamboos. Number.	Bamboos. Amount of sales.	Minor produce in value.	Total amount of sales.	Amount actually realized.
Northern Circle.		RS.		RS.		RS.	RS.	RS.	RS.
Ganjâm	1,471	262	270	8	1,237	6	1	277	277
Vizagapatam ..	160	18	195	3	..	..	121	142	142
Gódávari	* 3,827	1,486	1,274	80	375	6	62	1,634	1,828
Kistna	216	32	654	41	..	..	1	74	55
Guntúr	518	77	2,835	179	134	1	1	258	¶ 82
Kurnool East ..	696	149	29	3	10,150	96	101	349	349
Kurnool West ..	1,808	435	597	27	8,989	34	124	620	620
Bellary	200	99	5,967	112	..	..	1	212	212
Anantapur	..	..	..	..	..	..	199	199	** 194
Total ..	8,896	2,558	11,821	453	20,885	143	611	3,765	3,759
Central Circle.									
Cuddapah	1,923	951	164	6	1,200	3	7	967	660
Nellore	4,855	1,143	46,415	1,165	300	1	304	2,613	†† 2,431
Chingleput	61	65	166	7	..	..	2	74	74
North Arcot ..	643	236	1,750	120	2,496	60	62	478	478
South do. ..	1,116	212	1,004	40	57	1	52	305	305
North Salem	786	87	682	17	1,725	13	7	124	124
South do.	302	86	1,387	90	8,070	48	53	277	277
Trichinopoly ..	{ 430 † 8 }	39	346	23	52	2	13	77	77
Tanjore	17	2	128	5	..	..	1	8	8
Total ..	10,141	2,821	52,042	1,473	13,900	128	501	4,923	4,434
Southern Circle.									
South Canara ..	6,582	971	7,746	496	442	10	52	1,529	1,538
North Malabar ..	3,094	..	..	..	..	..	..	‖ 618	618
South do. ..	1,159	216	..	..	‡ ..	..	..	216	216
The Nilgiris ..	120	26	107	4	..	..	4	34	34
North Coimbatore ..	2,151	158	1,547	30	2,643	38	7	233	233
South do. ..	805	418	713	27	961	12	§ 6	463	463
Madura	418	78	1,275	151	16	1	130	360	360
Tinnevelly	444	225	22,794	1,130	..	..	176	1,531	1,516
Total ..	14,773	2,092	34,182	1,838	4,062	61	375	4,984	4,978
Grand Total ..	33,810	7,471	98,045	3,764	38,847	332	1,487	13,672	13,171

Add outstandings at the close of 1903–1904 ..	335
Total ..	14,007
Deduct amount realized as per Form No. 59 ..	13,171
Balance outstanding on 30th June 1905 ..	836

* Includes driftwood.

† Sandalwood.

‡ One head load of split bamboos was confiscated and sold for As. 2-6.

§ Includes seven head loads of fodder grass sold for Rs. 1–8–6.

‖ Represents value of timber confiscated last year and sold during the year.

¶ The Collector's figure is Rs. 258 ; and the difference of Rs. 176 is explained to represent the revenue under the head from July to September 1904 of the Ongole taluk transferred to Guntur but not included in the figures furnished by the Accountant-General.

** The Collector's figure is Rs. 199.

†† The Collector's figure is Rs. 2,609 ; the Collector explains the variation to be due to Rs. 177 having been apportioned to the Guntúr district by the Accountant-General and to rounding off of fractions of rupees.

GOVERNMENT OF MADRAS.

REVENUE DEPARTMENT.

READ—the following paper :—

Proceedings of the Board of Revenue (Land Revenue), Forest No. 258, dated 17th November 1905.

The Hon'ble Mr. C. J. WEIR, I.C.S.

The Board submits to Government the progress report of Forest Administration in the Madras Presidency for the year ending with 30th June 1905.

2. In accordance with the last clause of section 258 of the Forest Code, the report has been drawn up by Mr. C. E. Brasier, the senior Conservator of Forests now on duty.

3. The work of the Commissioned officers, under the usual arduous conditions of Forest service, has been uniformly good, and they have shown themselves zealous and discreet : for special mention the Board would select, besides the three Conservators,

Mr. P. M. Lushington.	Mr. Fischer.
,, Bryant.	,, Scot.
,, Latham.	,, Richmond.
,, Cox.	,, Rama Rao.
,, Wood.	

(True Extract.)

A. R. LOFTUS-TOTTENHAM,
Acting Secretary.

To the Secretary to Government, Revenue Department,
with three copies of the report.

Order—No. 69, Revenue, dated 20th January 1906.

Forest No. 8.

The report on the administration of the Forest Department for the year 1904–1905 will be recorded with the following remarks.

2. *Extension of Forest area.*—The net addition to the area of reserved forest during the year amounted to 184 square miles. The principal alterations were in the districts of Kurnool, Bellary and Cuddapah where considerable areas of reserved land were constituted reserved forest. An area of 78 square miles was newly added as reserved land. The total area under the control of the department at the end of the year thus amounted to 19,626 square miles, of which 18,107 square miles were reserved forest, 1,110 square miles, lands notified under section 4 of the Forest Act for settlement, and the remainder, forests leased from private persons and lands reserved under the rules made under section 26 of the Act.

3. *Forest Settlement.*—The progress made during the year in the settlement of lands chosen for reservation was hardly satisfactory. At the end of the previous year an area of 1,119 square miles remained to be declared reserved forests ; during the

year a further extent of 183 square miles was selected for reservation. Of the 1,302 square miles thus to be dealt with, only 192 square miles were finally settled as compared with an extent of 317 square miles settled in the previous year. It appears, however, that, in addition, the settlement of 55 blocks covering an area of 371 square miles was practically finished during the year. There remains according to the present programme an extent of about 938 square miles to be settled as forest reserve; but it is possible that the reservation of some part of this area may be found unnecessary. The Government hope that as much of the work as possible will be completed before the end of next March, when the term of the appointment of the two Special Settlement-officers will expire. What then remains to be done will be entrusted to the Divisional-officers.

4. *Demarcation and survey.*—The length of boundary lines demarcated during the year was 1,753 miles, which brought up the total to 97 per cent. of the total length requiring demarcation. Two sections of Party No. 19 of the Survey of India continued to work, but the outturn compared unfavourably with that of previous years owing to the sickness from which the establishments suffered. A considerable amount of departmental survey was also accomplished by the ordinary forest establishment. By the end of the year maps had been prepared for 71 per cent. of the total area of reserve and there remained 1,009 square miles still to be surveyed.

5. *Working-plans.*—The progress made in the preparation and adoption of working-plans was again small. Plans were sanctioned for 1,046 square miles and were in the course of preparation for a further area of 1,214 square miles, but over half of the total extent of the forest area still remained to be dealt with. The deficiency is especially marked in the districts of Guntúr, Kurnool, Cuddapah and Coimbatore. The Government trust that the Board will be able to secure better progress in this important matter during the current year.

6. The sanctioned plans were adhered to in most cases, but in Cuddapah the establishment proved insufficient to carry out all the contemplated departmental operations and in North Malabar the delay in the settlement of the question of the transport of Wynaad timber through the Mysore forests prevented the expected development of departmental traffic.

7. *Communications and buildings.*—A large number of rest-houses and Range offices were constructed in the year. The tramway in South Coimbatore was run at a slightly higher cost than in 1903–1904, but the excess in expenditure over the estimated cost of carting was insignificant. In Gódávari, however, the cost of carrying timber by the new mono-rail tramway was nearly double what it would have been had coolies been employed.

8. *Offences against the Forest Laws.*—The number of offences reported was 21,930, or about the same as last year. In 7½ per cent. of the cases the offenders remained undetected. Of the rest, 31 per cent. were taken into Court and the remaining 69 per cent. were compounded. Of the cases taken into Court and disposed of, 91·78 per cent. resulted in convictions. As usual in a very large percentage of the cases of injury to the forests by fire, the offenders remained undetected. The Government are glad to observe that in Nellore the practice of allowing permits to be current throughout the district appears to have contributed to the decrease in the number of grazing offences reported. The effect of dividing the district of Kurnool into two forest charges has apparently been so far to increase the number of offences brought to light; the Government hope, however, that the better supervision, now possible, will result in offences being more generally prevented in future.

9. *Protection from fire.*—The area which the department attempted to protect against fire was extended from 5,641 square miles to 6,599 square miles this year and the proportion of failure fell from 9·5 per cent. to 2·4 per cent. The total extent burnt was 226,875 acres and there was thus a great improvement over the results attained last year. The area reported to have been burnt maliciously is 12,893 acres or about half that similarly burnt in the previous year. The Government have recently considered the whole question of the policy to be adopted to prevent forest fires (G.O., No. 554, dated 14th June 1905), and have issued instructions which, they hope, will have the effect of largely diminishing the damage done to the forests by graziers and persons enjoying forest privileges.

10. *Protection from cattle.*—The area of reserves closed to all cattle was reduced during the year from 1,696 square miles to 1,621 square miles, 89 per cent. of the whole forest area being left open to grazing, and 4 per cent. to the browsing of goats. Over three million head of cattle were licensed to graze and browse. There was a considerable increase in the number of cattle impounded for illicit grazing in Kurnool where the enlargement of the establishment enabled the department to exercise greater supervision, but elsewhere there was a noticeable decrease especially in the districts of Bellary and Cuddapah where more permits were issued than in previous years. As in previous years goats were excluded from the reserves in most districts. The vexed question of the regulation of goat browsing has recently been discussed in connection with the proposals made by the Conservator of the Northern Circle to introduce greater restrictions on browsing in Bellary, Guntúr and Kistna. The Government have expressed the opinion that there is a growing tendency to sacrifice the goat to the exigencies of forest administration and have desired that adequate provision should be made for it in the scheme of forest policy.

11. *Sylviculture.*—Natural reproduction appears to have been generally satisfactory, but the root fungus which has now been identified as *Trichosporium vesiculosum* and the borer *Arbela teraorius* seem to have done considerable damage in Nellore and Ganjám. In South Malabar 55 acres were newly planted with teak and 135 acres were prepared for plantation. In Kistna, Gódávari and Guntúr considerable areas were planted with sissoo and casuarina. Various minor cultural operations and experiments in arboriculture were also carried on in most districts, but none of them appear to call for special remark.

12. *Working and outturn.*—The system of leasing the right of exploiting forest produce to private contractors continued to predominate, though the outturn of timber extracted departmentally was double what it was in the previous year and that of fuel nearly 50 per cent. greater. Unregulated exploitation was as usual confined for the most part to unreserved areas and to produce of minor importance. The total output from the forests amounted to over 3 million cubic feet of timber, over 20 million cubic feet of fuel ; and nearly 36 million bamboos. Of the timber 43 per cent. was extracted departmentally, the bulk of the operations being carried on in the districts of Cuddapah, Salem, Malabar and Coimbatore. The fuel extracted departmentally was mainly for supply to the Railways and to the various depôts which have been established for the sale of firewood in towns and elsewhere. The Government are glad to notice that the experiment of selling agricultural implements met with success in Kurnool, Salem and Coimbatore. The value of the minor produce extracted was 13 lakhs of rupees, the major part being as usual derived from grazing fees and sales of grass. The experiments in hay-making were continued and as before showed the most diverse results. The demand for hay seems to have been poor except in Chingleput.

13. *Financial results.*—The gross revenue rose to Rs. 28,30,542, an increase of 5 per cent. on last year's figure and of 17 per cent. on the average for the previous three years. Expenditure increased from Rs. 17,92,425 to Rs. 20,84,480 owing mainly to the extension of departmental exploitation, to the formation of additional forest divisions in the Northern Circle and to the opening of the training school for deputy rangers and foresters at Coimbatore. The net result was a surplus of 7½ lakhs. Of the expenditure, 43 per cent. was devoted to the extension, protection and improvement of forests and the rest to exploitation. Departmental exploitation yielded a profit of 9½ per cent. as compared with a profit of 23 per cent. last year. The decrease is stated to be due to the accumulation of a large stock of timber, extracted in accordance with the sanctioned plans, from the forests of Malabar and South Coimbatore which it was found impossible to dispose of owing to the difficulty of arranging for the development of departmental sales in Mysore. The result was that the profits in the Southern Circle as a whole fell from Rs. 1,26,466 to Rs. 17,045. The question of the financial prospects of the Southern Circle forests formed the subject of a special report during the year (G.O., No. 47, dated 18th January 1905) and the Government trust that it will soon be possible to make satisfactory arrangements for their working. It is observed that the Conservator calculates that, if the value of the stock accumulated at the depôts be taken into account, the profit made out of the departmental operations would amount to 34 per cent. on the expenditure.

14. The collections during the year were satisfactory, a sum of Rs. 28,30,542 being collected out of a total demand of Rs. 29,97,569.

15. *General.*—The division of the Kurnool district into two forest charges was carried into effect during the year, and the two divisions of Gódávari and Kistna were reconstituted into three concurrently with the constitution of the new Guntúr district.

16. Four Assistant Conservators joined the staff during the year and one Deputy Conservator retired. Two Deputy Conservatorships have recently been added to the cadre of the Presidency and an Assistant Conservatorship has been transferred from the Punjab list, but there are not at present men to fill the additional appointments thus created. The Government still await the Board's detailed proposals for increasing the number of rangers' appointments (G.O., No. 170, dated 24th February 1905). His Excellency the Governor in Council is much gratified with the testimony borne by the Board to the excellence of the work done by the superior staff. The conduct of the subordinate executive and protective staff was, however, still capable of much improvement. The Government hope that some good will result in this direction from the training school for deputy rangers and foresters which, was opened during the year at Coimbatore. The question of improving the personnél of the ranger class and the subordinate grades of the Provincial service has recently formed the subject of correspondence with the Government of India.

17. Various proposals are now under consideration for the reorganisation of the Imperial service in order to adapt it to present conditions of forest administration and to increase the general efficiency of the department.

(True Extract.)

A. G. Cardew,
Ag. Secretary to Government.

To the Board of Revenue (Land Revenue).
,, Accountant-General.
Copy to the Government of India, Department of Revenue and Agriculture (with C.L.).